Monroe Energy®

Monroe Energy, LLC
4101 Post Road
Trainer, PA 19061
(610) 364-8000

APR 3-1 2017

March 29, 2017

Via FedEx: 7786 2483 6286

Mr. James Rebarchak
Air Quality Program Manager
Commonwealth of Pennsylvania
Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

Re: Monroe Energy, LLC – Trainer Refinery
Title V Annual Compliance Certification, 2nd Half 2016 and Revised 1st Half 2016 Deviation Reports
TVOP #23-00003
Reporting Period: January 1, 2016 – December 31, 2016

Dear Mr. Rebarchak:

In accordance with Title V Operating Permit (TVOP) number 23-00003, Condition #013(e) in Section C, and Conditions #020 and #024 in Section B, Monroe Energy hereby submits its Annual Title V Certificate of Compliance and Deviation report for the period of January 1, 2016 through December 31, 2016. This annual compliance certification and deviation report was prepared using the version of the facility's TVOP effective August 3, 2016. Boiler 14 (permitted by Plan Approval No. 23-0003Y) has not been incorporated into the facility's TVOP, but is included in this certification. Refer to Source 053 for more details.

Should you have any questions or comments regarding this report, please do not hesitate to contact me at (610) 364-8399.

Sincerely,

Matthew Torell, P.E.
Environmental Leader

Enclosure

cc: Office of Air Enforcement & Compliance Assistance (3AP20)
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029
Via FedEx: 7786 2486 2331

Monroe Energy, LLC
4101 Post Road
Trainer, PA 19061
(610) 364-8000

Responsible Official Certification

Based upon information and belief formed after a reasonable inquiry, I, as a responsible official of the above-mentioned facility, certify the information contained in this report is accurate and true to the best of my knowledge.

Jeffrey K. Warmann,
CEO & President

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR QUALITY
COMPLIANCE CERTIFICATION FORM
(25 Pa. Code § 127.513)

Facility Name:	Monroe Energy Trainer Refinery	**Owner/Operator:**	Monroe Energy LLC
Tax ID/Plant:	73-0400345-1	**DEP Facility ID:**	293037
Contact Person:	Matthew Torell	**Title:**	Environmental Leader
Operating Permit #:	23-00003	**Phone Number:**	(610) 364-8399

For the period 01/01/16 to 12/31/16, Monroe Energy/TRAINER REF has been in continuous compliance with all applicable requirements of permit # 23-00003, determined by the method(s) of compliance specified in said permit, except for the following deviations, exceedances, and excursions:

Permit Condition	Citation	Type of Requirement	Source	Description of Deviation	Monitoring Method(s)	Start Date/Time	End Date/Time	Duration (hours)	Corrective Action(s) Taken
(D)(103)(016)(c) & (D)(103)(016)(d)	40 CFR 60.103a	Work Practice Standard	103 - Main Flare	Root cause analyses were not conducted for excess fuel gas flaring incidents per the Flare Management Plan (V.3.0)	Continuous monitoring of gas flowrates.	1/1/2016 0:00	7/1/2016 0:00	4368	The flare management plan was updated to reflect current practices.
(D)(115)(007)(E)(a)(2)	40 CFR 60.842-6	Work Practice Standard	115 - NSPS Fugitive Equipment	There were 167 open-ended lines (OELs) found in the 1H2016 for refinery units subject to NSPS VV.	Visual Inspection	1/1/2016 0:00	7/1/2016 0:00	4368	OELs were capped or plugged upon discovery; or work orders were written when needed for maintenance.
(D)(128)(007)(E)(a)(2)	40 CFR 60.842-6	Work Practice Standard	128 - MACT Fugitives	There were 155 open-ended lines (OELs) found in the 1H2016 for refinery units subject to MACT CC.	Visual Inspection	1/1/2016 0:00	7/1/2016 0:00	4368	OELs were capped or plugged upon discovery; or work orders were written when needed for maintenance.
(D)(133)(014)	25 PA Code §127.441	Work Practice Standard	133 - Benzene Waste Operations	One tank was identified as not being equipped with a closed-vent system that routes all organic vapors to a control device.	Internal Audit	1/1/2016 0:00	7/1/2016 0:00	4368	Upon further review it was discovered that the tank was equipped with controls as required by the regulation.
(D)(215)(012)(a)(2)	40 CFR 60.842-6	Work Practice Standard	215 - NSPS New Fugitive Equipment	There were 29 open-ended lines (OELs) found in the 1H2016 for refinery units subject to NSPS GGGa.	Visual Inspection	1/1/2016 0:00	7/1/2016 0:00	4368	OELs were capped or plugged upon discovery; or work orders were written when needed for maintenance.
(D)(103)(004)	40 CFR 60.103a	Restriction (Emission, Fuel, etc.)	103 - Main Flare	3-Hour Average H_2S Average> 162 ppmvd	CEMS	1/5/2016 1:00	1/5/2016 5:00	4	Compressor was brought back online.
(D)(103)(015)(b)	25 PA Code §127.512	Work Practice Standard	103 - Main Flare	Net heating value <300 BTU/scf.	CEMS	1/17/2016 13:00	1/17/2016 14:00	1	The condition was corrected.
(D)(T002)(007)(a)	25 PA Code §127.441	Reporting Requirement	T002 - MACT Group 1, EFR Tanks	A refill noticed was not submitted a least 30 days prior to refilling Tank 151 (Source ID 136).	Visual Inspection	2/11/2016 0:00	2/12/2016 0:00	24	PADEP was notified upon discovery.
(D)(035)(001)(a)(1)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	035 - Boiler 10	Max hourly SO_2 Emission > 3.43 lbs/hr	CEMS	2/14/2016 11:00	2/14/2016 12:00	1	Upset conditions were corrected.
(D)(035)(001)(a)(2)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	035 - Boiler 10	Max hourly NOx Emission > 2.7 lbs/hr	CEMS	2/14/2016 11:00	2/14/2016 12:00	1	Upset conditions were corrected.
(D)(103)(004)	40 CFR 60.103a	Restriction (Emission, Fuel, etc.)	103 - Main Flare	3-Hour Average H_2S Average> 162 ppmvd	CEMS	3/14/2016 10:00	3/14/2016 11:00	1	Upset conditions were corrected.
(D)(101)(002)(b)	40 CFR 63.1570	Restriction (Emission, Fuel, etc.)	101 - FCCU	The permittee shall be in compliance with all of the opacity and visible emission limits standards set forth in 40 CFR 63 Subpart UUU.	Continuous monitoring of liquid and gas flowrates.	4/13/2016 12:00	4/13/2016 13:00	1	Operating conditions returned to normal

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR QUALITY
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Facility Name:	Monroe Energy Trainer Refinery	**Owner/Operator:**	Monroe Energy LLC
Tax ID/Plant:	73-0400345-1	**DEP Facility ID:**	293037
Contact Person:	Matthew Torell	**Title:**	Environmental Leader
Operating Permit #:	23-00003	**Phone Number:**	(610) 364-8399

For the period 01/01/16 to 12/31/16, Monroe Energy/TRAINER REF has been in continuous compliance with all applicable requirements of permit # 23-00003, determined by the method(s) of compliance specified in said permit, except for the following deviations, exceedances, and excursions:

Permit Condition	Citation	Type of Requirement	Source	Description of Deviation	Monitoring Method(s)	Start Date/Time	End Date/Time	Duration (hours)	Corrective Action(s) Taken
(C)(001) & (C)(005)	25 PA Code §123.41	Restriction (Emission, Fuel, etc.)	101 - FCCU	Visible emissions were seen from the FCCU Scrubber stack. These emissions went outside the facility's fence line.	Visual Inspection	4/21/2016 11:00	4/21/2016 21:00	10	Upset conditions were corrected.
(D)(101)(001)(a)(iii)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	101 - FCCU	NOx Emissions (3 Hr Average) in excess of 500 ppmvd @ 0% O_2	CEMS	4/21/2016 11:00	4/21/2016 21:00	10	Upset conditions were corrected.
(D)(101)(001)(a)(ii)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	101 - FCCU	7-day rolling average NOx concentration > 155.3 ppmvd @ 0% O_2	CEMS	4/22/2016	4/29/2016	96 (Intermittent)	Upset conditions were corrected.
(D)(103)(004)	40 CFR 60.103a	Restriction (Emission, Fuel, etc.)	103 - Main Flare	3-Hour Average H_2S Average> 162 ppmvd	CEMS	5/2/2016 16:00	5/2/2016 17:00	1	Upset conditions were corrected.
(D)(034)(001)(a)(1)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	034 - Boiler 9	Max hourly SO_2 Emission > 3.43 lbs/hr	CEMS	5/25/2016 11:00	5/25/2016 12:00	1	Upset conditions were corrected.
(D)(035)(001)(a)(1)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	035 - Boiler 10	Max hourly SO_2 Emission > 3.43 lbs/hr	CEMS	5/25/2016 11:00	5/25/2016 12:00	1	Upset conditions were corrected.
(D)(101)(002)(b)	40 CFR 63.1570	Restriction (Emission, Fuel, etc.)	101 - FCCU	The permittee shall be in compliance with all of the opacity and visible emission limits standards set forth in 40 CFR 63 Subpart UUU.	Continuous monitoring of liquid and gas flowrates.	5/27/2016 10:00	5/27/2016 11:00	1	Operating conditions returned to normal
(D)(101)(004)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	101 - FCCU	Wet scrubber liquid to gas ratio was <0.08 gal/dscf (hourly average)	Continuous monitoring of liquid and gas flowrates.	5/27/2016 10:00	5/27/2016 11:00	1	Operating conditions returned to normal
(D)(101)(001)(b)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	101 - FCCU	CO Emissions (1 Hr Average) in excess of 500 ppmvd @ 0% O_2	CEMS	5/27/2016 13:00	5/27/2016 14:00	1	Upset conditions were corrected.
(D)(034)(001)(a)(2)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	034 - Boiler 9	Max hourly NOx Emission > 2.7 lbs/hr	CEMS	5/28/2016 9:00	5/28/2016 13:00	4	Upset conditions were corrected.
(D)(103)(002)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	103 - Main Flare	Visible emissions were seen from the Main Flare	Visual Inspection	5/28/2016 9:00	5/28/2016 9:15	0.25	Upset conditions were corrected.
(D)(034)(001)(a)(1)	25 PA Code §127.441	Restriction (Emission, Fuel, etc.)	034 - Boiler 9	Max hourly SO_2 Emission > 3.43 lbs/hr	CEMS	5/28/2016 22:00	5/29/2016 0:00	2	Upset conditions were corrected.
(C)(001) & (C)(005)	25 PA Code §123.41	Restriction (Emission, Fuel, etc.)	102 - SRU	Visible emissions were seen from the SRU Incinerator stack	Visual Inspection	5/28/2016 22:30	5/28/2016 23:00	0.5	Upset conditions were corrected.

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Permit Condition	Citation	Type of Requirement	Source	Description of Deviation	Monitoring Method(s)	Start Date/Time	End Date/Time	Duration (hours)	Corrective Action(s) Taken
(D)(T001)(008)(b)	40 CFR 63.646	Work Practice Standard	T001 - MACT Group 1, IFR Tanks	Tank 155 (Source ID 140) was landed to provide storage for a product change and wasn't refilled as soon as practical. Conservatively, we considered this a deviation even though the products in question did not meet the minimum MACT Group 1 Storage Vessel liquid HAP concentration or vapor pressure requirements.	Continuous Monitoring of Tank Roof Level	9/29/2016 12:00	10/13/2016 12:00	336	The tank was refilled so that the roof was floating on the liquid surface. Tank 155 is classified as a Group 1 Storage Vessel for operational flexibility.
(D)(034)(001)(a)(1)	25 Pa. Code 127.441	Restriction (Emission, Fuel, etc.)	034 - Boiler 9	Max hourly SO_2 Emission > 3.43 lbs/hr	CEMS	10/6/2016 5:00	10/6/2016 6:00	1	Upset conditions were corrected.
(D)(035)(001)(a)(1)	25 Pa. Code 127.441	Restriction (Emission, Fuel, etc.)	035 - Boiler 10	Max hourly SO_2 Emission > 3.43 lbs/hr	CEMS	10/6/2016 5:00	10/6/2016 6:00	1	Upset conditions were corrected.
(D)(101)(001)(b)	25 Pa. Code 127.441	Restriction (Emission, Fuel, etc.)	101 - FCCU	CO Emissions (1 Hr Average) in excess of 500 ppmvd @ 0% O2	CEMS	10/12/2016 21:00	10/12/2016 23:00	2	Upset conditions were corrected.
(D)(030)(004)	40 CFR 63.7545	Reporting Requirement	030 - MACT Boilers and Process Heaters	The Notification of Compliance Status (NOCS) for Boiler 14 was submitted late (more than 60 days after startup)	Internal Audit	10/14/2016 0:00	12/8/2016 0:00	1320	The NOCS was submitted upon discovery of the missed deadline.
(D)(133)(008)(c) & (D)(133)(008)(d)	40 CFR 61.357	Reporting Requirement	133 - Benzene Waste Operations	Quarterly BWON report was not submitted on time (1Q16).	Audit	10/20/2016 0:00	11/9/2016 0:00	480	Report was submitted upon discovery of the missed deadline.
(D)(T002)(008)(e)	40 CFR 63.646	Work Practice Standard	T002 - MACT Group 1, EFR Tanks	The automatic bleeder vents on Tank 156 (Source ID 141) were found open while the tank was in service.	Continuous Monitoring of Tank Roof Level	10/26/2016 12:00	10/27/2016 6:00	18	Roof level was raised to close the bleeder vents
(D)(T002)(008)(e)	40 CFR 63.646	Work Practice Standard	T002 - MACT Group 1, EFR Tanks	The automatic bleeder vents on Tank 159 (Source ID 143) were found open while the tank was in service.	Visual Inspection	11/16/2016 0:00	11/16/2016 1:00	1	Vents were reset.
(D)(T002)(008)(f)	40 CFR 63.646	Work Practice Standard	T002 - MACT Group 1, EFR Tanks	An open sample hatch was discovered on Tank 156 (Source 141) during a PADEP inspection.	Visual Inspection	11/16/2016 0:00	11/16/2016 1:00	1	The sample hatch was closed.
(D)(115)(005)(B)(c)(3)	40 CFR 60.486	Recordkeeping Requirement	115 - NSPS Fugitive Equipment	A 5 day initial repair attempt was not documented as required by the regulation.	Internal Audit	11/30/2016 0:00	NA	NA	Records management issue was with prior LDAR contractor. The current LDAR contractor is aware of the finding and will ensure that proper recording keeping procedures are followed

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
SECTION B. General Title V Requirements						
GEN	(B)(GEN)(001)	[25 Pa. Code § 121.1]	Definitions	Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(002)	[25 Pa. Code § 127.512(c)(4)]	Property Rights	This permit does not convey property rights of any sort, or any exclusive privileges.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(003)	[25 Pa. Code § 127.446(a) and (c)]	Permit Expiration	This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(004)(a)	[25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]	Permit Renewal	(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.	Permit Application Submittal. A permit application will be submitted prior to 6 months before permit expiration.	Continuous
GEN	(B)(GEN)(004)(b)	[25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]	Permit Renewal	(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.	Permit Application Submittal. A permit application will contain the information noted.	Continuous
GEN	(B)(GEN)(004)(c)	[25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]	Permit Renewal	(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).	Permit Application Submittal. A permit application will contain the information noted.	Continuous
GEN	(B)(GEN)(004)(d)	[25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]	Permit Renewal	(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.	Permit Application Submittal. Responses to permit application inqueries will be promptly responded to.	Continuous
GEN	(B)(GEN)(005)(a)	[25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]	Transfer of Ownership or Operational Control	(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if: (1) The Department determines that no other change in the permit is necessary; (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and, (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.	Due diligence accompanying any sale.	Continuous
GEN	(B)(GEN)(005)(b)	[25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]	Transfer of Ownership or Operational Control	(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.	Due diligence accompanying any sale.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
SECTION B. General Title V Requirements						
GEN	(B)(GEN)(009)(b)	[25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]	Duty to Provide Information	(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.	All valid requests by the Department for information are addressed within a reasonable time.	Continuous
GEN	(B)(GEN)(010)(a)	[25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]	Reopening and Revising the Title V Permit for Cause	(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification	NA
GEN	(B)(GEN)(010)(b)	[25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]	Reopening and Revising the Title V Permit for Cause	(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances: (1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended. (2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit. (3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. (4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification	NA
GEN	(B)(GEN)(010)(c)	[25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]	Reopening and Revising the Title V Permit for Cause	(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification	NA
GEN	(B)(GEN)(010)(d)	[25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]	Reopening and Revising the Title V Permit for Cause	(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.	All applicable standards and/or regulations promulgated under the Clean Air Act are complied with. Where deviations may have occurred, the deviations are noted herein.	Continuous
GEN	(B)(GEN)(011)	[25 Pa. Code § 127.543]	Reopening a Title V Permit for Cause by EPA	As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(012)	[25 Pa. Code § 127.541]	Significant Operating Permit Modifications	When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541.	Facility policies, procedures, and operating practices are in place to ensure compliance. The facility submits all required permit modifications.	Continuous
GEN	(B)(GEN)(013)	[25 Pa. Code §§ 121.1 & 127.462]	Minor Operating Permit Modifications	The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1), on an expedited basis, in accordance with 25 Pa. Code § 127.462 (relating to minor operating permit modifications).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(014)(a)	[25 Pa. Code § 127.450]	Administrative Operating Permit Amendments	(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code § 127.450(a)	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

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SECTION B. General Title V Requirements						
GEN	(B)(GEN)(017)(b)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification: (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit. (2) One ton of NOx from a single source during the term of the permit and 5 tons of NOx at the facility during the term of the permit. (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit. (4) Six-tenths of a ton of PM10 from a single source during the term of the permit and 3.0 tons of PM10 at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III. (5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(017)(c)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval: (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources. (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input. (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added. (4) Space heaters which heat by direct heat transfer. (5) Laboratory equipment used exclusively for chemical or physical analysis. (6) Other sources and classes of sources determined to be of minor significance by the Department.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(017)(d)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following: (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition. (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E. (3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts. (4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(017)(e)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
GEN	(B)(GEN)(017)(f)	[25 Pa. Code §§ 127.14(b) & 127.449]	Authorization for De Minimis Emission Increases	(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
SECTION B. General Title V Requirements						
GEN	(B)(GEN)(020)(c)	[25 Pa. Code §§ 127.402(d) & 127.513(1)]	Submissions	(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(021)(a)	[25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]	Sampling, Testing and Monitoring Procedures	(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(021)(b)	[25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]	Sampling, Testing and Monitoring Procedures	(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(022)(a)	[25 Pa. Code §§ 127.511 & Chapter 135]	Recordkeeping Requirements	(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following: (1) The date, place (as defined in the permit) and time of sampling or measurements. (2) The dates the analyses were performed. (3) The company or entity that performed the analyses. (4) The analytical techniques or methods used. (5) The results of the analyses. (6) The operating conditions as existing at the time of sampling or measurement.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(022)(b)	[25 Pa. Code §§ 127.511 & Chapter 135]	Recordkeeping Requirements	(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(022)(c)	[25 Pa. Code §§ 127.511 & Chapter 135]	Recordkeeping Requirements	(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(023)(a)	[25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]	Reporting Requirements	(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.	Facility policies, procedures, and work practices are in place to ensure compliance.	Continuous
GEN	(B)(GEN)(023)(b)	[25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]	Reporting Requirements	(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.	Facility policies, procedures, and work practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
SECTION B. General Title V Requirements						
GEN	(B)(GEN)(026)(b)(1)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements: (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following: (i) Three years after the date on which a regulated substance is first listed under § 68.130; or, (ii) The date on which a regulated substance is first present above a threshold quantity in a process.	Facility policies, procedures, and work practices are in place to ensure compliance. Initial RMP sent to EPA 6/21/99. It has been corrected twice (1/2007 and 9/2007) to account for modifications to operating units associated with the clean fuels project and due to an RMP incident, respectively. The RMP Update was certified and submitted on 6/16/09 to comply with the 5 year update requirement.	Continuous
GEN	(B)(GEN)(026)(b)(2)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.	Facility policies, procedures, and work practices are in place to ensure compliance. Initial RMP sent to EPA 6/21/99. It has been corrected twice (1/2007 and 9/2007) to account for modifications to operating units associated with the clean fuels project and due to an RMP incident, respectively. The RMP Update was certified and submitted on 6/16/09 to comply with the 5 year update requirement.	Intermittent
GEN	(B)(GEN)(026)(b)(3)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.	Facility policies, procedures, and work practices are in place to ensure compliance. Recordkeeping sent to EPA 6/21/99 via certified mail. Most recent 5 year update was certified on 6/16/09.	Continuous
GEN	(B)(GEN)(026)(c)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.	Facility policies, procedures, and work practices are in place to ensure compliance. Recordkeeping sent to EPA 6/21/99 via certified mail. Most recent 5 year update was certified on 6/16/09.	Continuous
GEN	(B)(GEN)(026)(d)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall: (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or, (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.	Facility policies, procedures, and work practices are in place to ensure compliance. Recordkeeping sent to EPA via certified mail. Most recent 5 year update was certified on 6/16/09.	Continuous
GEN	(B)(GEN)(026)(e)	[25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]	Risk Management	(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.	Facility policies, procedures, and work practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
SECTION C. Site Level Requirements						
SITE	(C)(SITE)(001)	[25 Pa. Code §121.7]	Emission Restriction	No person may permit air pollution, as that term is defined in the Air Pollution Control Act (35 PS Section 4003), except as specifically authorized elsewhere in this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
SITE	(C)(SITE)(002)	[25 Pa. Code §123.1]	Emission Restriction	No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following: (a) construction or demolition of buildings or structures; (b) grading, paving and maintenance of roads and streets; (c) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets; (d) clearing of land; (e) stockpiling of materials; (f) open burning operations, as specified in 25 Pa. Code §129.14; (g) blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting; (h) coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations); and (i) sources and classes of sources other than those identified in (a)-(h), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements: (1) the emissions are of minor significance with respect to causing air pollution; and (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)(003)	[25 Pa. Code §123.2]	Emission Restriction	A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #002, of this Section, if such emissions are visible at the point the emissions pass outside the person's property.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)(004)	[25 Pa. Code §123.31]	Emission Restriction	The permittee may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.	Facility policies, procedures, and operating practices are in place to ensure compliance. The facility was not found to be responsible for any malodors during the compliance period.	Continuous
SITE	(C)(SITE)(005)	[25 Pa. Code §123.41]	Emission Restriction	The permittee may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following: (a) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour. (b) Equal to or greater than 60% at any time.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
SITE	(C)(SITE)(006)	[25 Pa. Code §123.42]	Emission Restriction	The limitations of Site Condition #005 shall not apply to a visible emission in any of the following instances: (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations. (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions. (c) When the emission results from sources specified in Site Condition #002.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
SECTION C. Site Level Requirements						
SITE	(C)(SITE)(011)(a)	[25 Pa. Code §127.511]	Monitoring Requirements	(a) The permittee shall operate and maintain the Department certified continuous monitor for hydrogen sulfide for all sources that are subject to 40 C.F.R. Part 60, Subpart J.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
SITE	(C)(SITE)(011)(b)	[25 Pa. Code §127.511]	Monitoring Requirements	(b) The permittee, on a daily basis, shall monitor the heating value of the refinery fuel gas using gas chromatography, calorimeter or another Department approved method. The permittee may apply to the Department to change the monitoring schedule based upon the results of the daily monitoring.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
SITE	(C)(SITE)(011)(c)	[25 Pa. Code §127.511]	Monitoring Requirements	(c) The permittee shall monitor the facility, once per operating day, for the following: (1) Odors which may be objectionable (as per 25 Pa. Code §123.31). (2) Visible Emissions (as per 25 Pa. Code §§123.41 and 123.42). (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).	Facility policies, procedures, and operating practices are in place to ensure compliance. Property boundary monitoring is routinely performed as part of normal duties.	Continuous
SITE	(C)(SITE)(011)(d)	[25 Pa. Code §127.511]	Monitoring Requirements	(d) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall: (1) Be investigated; (2) Be reported to the facility management, or individual(s) designated by the permittee; (3) Have appropriate corrective action taken (for emissions that originate on-site); and (4) Be recorded in a permanent written log.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)(011)(e)	[25 Pa. Code §127.511]	Monitoring Requirements	(e) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
SITE	(C)(SITE)(011)(f)	[25 Pa. Code §127.511]	Monitoring Requirements	(f) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
SECTION C. Site Level Requirements						
SITE	(C)(SITE)(013)(d)	[25 Pa. Code §127.511]	Reporting Requirements	(d) The permittee may request an extension of time, and the Department may grant the extension for reasonable cause.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)(013)(e)	[25 Pa. Code §127.511]	Reporting Requirements	(e) The permittee shall submit the following reports: (1) An annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit. (2) A semi annual deviation report, due by October 1, of each year, for the period covering January 1 through June 30 of the same year. Note: The annual certification of compliance fulfills the obligation for the second deviation reporting period (July 1 through December 31 of the previous year).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)(014)(a)	[25 Pa. Code §135.21]	Reporting Requirements	(a) The permittee shall submit by March 1, of each year, an annual emission statement for the preceding calendar year.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)(014)(b)	[25 Pa. Code §135.21]	Reporting Requirements	(b) The permittee may request an extension of time from the Department for the filing of an annual emission statement, and the Department may grant the extension for reasonable cause.	NA	NA
SITE	(C)(SITE)(015)	[25 Pa. Code §135.3]	Reporting Requirements	If the permittee has been previously advised by the Department to submit a source report, the permittee shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from all previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported, including those sources listed in the Miscellaneous Section of this permit. The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)(016)	[40 CFR Part 61 NESHAPs §40 CFR 61.145]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] In the event that the permittee performs any demolition/renovation of asbestos containing material, as defined in 40 C.F.R. 61, Subpart M, for which advance notification is required pursuant to such regulations, then the permittee shall provide the Department with notification prior to any such demolition/renovation in accordance with the notification provisions of 40 C.F.R. 61, Subpart M.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)(017)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Reporting Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) As per 40 C.F.R. §63.655(e), the permittee shall submit the reports listed in (a)(i) and (ii), below, and shall keep records as described in 40 C.F.R. § 63.655(i). (i) Periodic reports as described in 40 C.F.R. § 63.654(g). (ii) Other reports described in 40 C.F.R. § 63.655(h).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
SECTION C. Site Level Requirements						
SITE	(C)(SITE)(021)	[25 Pa. Code §129.62]	Work Practice Requirements	Gasoline may not be spilled or discarded in sewers or stored in open containers or handled in a manner that would result in uncontrolled evaporation to the atmosphere.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)(022)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.647]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] As defined in 40 C.F.R. § 63.641, all Group 1 wastewater streams shall comply with the requirements of 40 C.F.R. §§ 61.340 through 61.355 for each process wastewater stream that meets the definition in 40 C.F.R. § 63.641.	Specific requirements are contained in Section D.	Continuous
SITE	(C)(SITE)(023)	[25 Pa. Code §127.441]	Additional Requirements	The permittee shall reduce emissions of Class I and Class II refrigerants during the service, maintenance, repair and disposal of equipment in accordance with the requirements of 40 C.F.R. 82, Subpart F recycling and emissions reduction.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)(024)	[25 Pa. Code §127.512]	Additional Requirements	Incorporated into this TVOP are Plan Approval Nos. 23-0003AB Installation of an ULSG unit; and 23-0003Y for Boiler 14 construction After demonstrating compliance with the terms and conditions of the Plan Approvals, the sources with their terms and conditions will be incorporated into this Title V Operating Permit through an Administrative Amendment. The permittee shall comply with TVOP No. 23-00003 by complying with the terms and conditions of Plan Approval Nos. 23-0003AB and 23-0003Y.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
SITE	(C)(SITE)	None	Compliance Certification	No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
SITE	(C)(SITE)(025)	None	Compliance Schedule	31-JAN-16 Source ID 030 - Existing boilers and process heaters - must comply with 40 C.F.R. 63 Subpart DDDDD by January 31, 2016.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 030 - MACT Boilers and Process Heaters						
030 - MACT Boilers and Process Heaters	(D)(030)(006)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]	Reporting Requirements	The permittee must submit a Notification of Compliance Status according to 40 C.F.R. §63.9(h)(2)(ii). The Notification of Compliance Status must contain the information specified below, as per 40 C.F.R. §63.7545(e): (1) A description of the unit including identification of which subcategories the unit is in, the design heat input capacity of the unit, description of the fuel(s) burned. (2) In addition to the information required in 40 C.F.R. §63.9(h)(2), the notification of compliance status must include the following certification(s) of compliance, and signed by a responsible official: (i) "This facility complies with the required initial tune-up according to the procedures in 40 C.F.R. §63.7540(a)(10)(i) through (vi)." (ii) "This facility has had an energy assessment performed according to 40 C.F.R. §63.7530(e)."	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
030 - MACT Boilers and Process Heaters	(D)(030)(007)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]	Reporting Requirements	The permittee must submit annual compliance reports for units without O2 trim system, as specified in paragraphs (1) through (4) of this section. (1) The first compliance report must cover the period beginning on the compliance date and ending on January 31, the first date that occurs at least 1 year for submitting an annual compliance report after January 31, 2016. (2) The first annual compliance report must be postmarked or submitted no later than January 31. (3) Annual compliance reports must cover 1-year periods from January 1 to December 31. (4) Annual compliance reports must be postmarked or submitted no later than January 31.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
030 - MACT Boilers and Process Heaters	(D)(030)(008)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]	Reporting Requirements	(a) The permittee must submit each report in Table 9 to 40 C.F.R. 63 Subpart DDDDD that applies.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
030 - MACT Boilers and Process Heaters	(D)(030)(008)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]	Reporting Requirements	(b) A compliance report must contain the following information. (1) Company and Facility name and address. (2) Unit information. (3) Date of report and beginning and ending dates of the reporting period. (4) The total operating time during the reporting period. (5) The date of the most recent tune-up for the unit. The date of the most recent burner inspection if it was not done and was delayed until the next scheduled or unscheduled unit shutdown. (6) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
030 - MACT Boilers and Process Heaters	(D)(030)(009)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]	Reporting Requirements	For units equipped with O2 trim system, the permittee must submit 5-year compliance reports, as specified in paragraphs (1) through (4) below. (1) The first compliance report must cover the period beginning on the compliance date that is specified for the unit in 40 C.F.R. §63.7495 and ending on January 31, the first date that occurs at least 5 years after January 31, 2016. (2) The first 5-year compliance report must be postmarked or submitted no later than January 31. (3) 5-year compliance reports must cover the applicable 5-year periods from January 1 to December 31. (4) 5-year compliance reports must be postmarked or submitted no later than January 31.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
030 - MACT Boilers and Process Heaters	(D)(030)(010)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]	Work Practice Requirements	(a) The permittee must meet each work practice standard in Table 3 to 40 C.F.R. 63 Subpart DDDDD that applies to the unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
030 - MACT Boilers and Process Heaters	(D)(030)(010)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7500]	Work Practice Requirements	(b) At all times, the permittee must operate and maintain the unit in a manner consistent with safety and good air pollution control practices for minimizing emissions.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
030 - MACT Boilers and Process Heaters	(D)(030)(011)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7510]	Work Practice Requirements	(a) As per 40 C.F.R. §63.7510(e), the permittee must complete an initial tune-up by following the procedures described in 40 C.F.R. §63.7540(a)(10)(i) through (vi) no later than January 31, 2016 as specified in 40 C.F.R. §63.7495.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 030 - MACT Boilers and Process Heaters						
030 - MACT Boilers and Process Heaters	(D)(030)(015)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7490]	Additional Requirements	The boilers and process heaters subject to 40 C.F.R. 63 Subpart DDDDD are: Source ID Source Name Equipped with O2 Trim System and 5-year tune-up 034 Boiler 9 Yes 035 Boiler 10 Yes 733 FCCU FEED HEATER 735 KEROSENE/HCN HTU HEATER 736 DIESEL HTU HEATER 737 NAPHTHA HDS HEATER Yes 738 PLATFORMER FEED HEATER Yes 739 ISOCRACKER 1ST STAGE HEATER 740 ISOCRACKER SPLITTER RBLR 741 D2/VGO HYDROTREATER FEED HEATER 742 VCD 541 VAC HEATER 743 VCD 542 VAC HEATER 744 ACD 543 CRUDE HEATER 745 ACD 544 CRUDE HEATER Yes 746 VCD 544 VAC HEATER	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
030 - MACT Boilers and Process Heaters	(D)(030)(016)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7491]	Additional Requirements	As per 40 C.F.R. §63.7491(i), CO Boiler (Source ID C01) used as a control device to comply with subpart UUU of 40 C.F.R. part 63 is not subject to 40 C.F.R. 63 subpart DDDDD.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
030 - MACT Boilers and Process Heaters	(D)(030)(017)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]	Additional Requirements	As per 40 C.F.R. §63.7495(b), the permittee must comply with 40 C.F.R. 63 subpart DDDDD no later than January 31, 2016.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
030 - MACT Boilers and Process Heaters	(D)(030)(018)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7565]	Additional Requirements	The permittee shall comply with the parts of the General Provisions in 40 C.F.R. §§63.1 through 63.15 that apply by January 31, 2016.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
030 - MACT Boilers and Process Heaters	(D)(030)(019)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7575]	Additional Requirements	Due to direct heat transfer, Peabody Heater (Source ID 130) is not subject to the requirements of 40 C.F.R. 63 Subpart DDDDD as per the definition of Process Heaters specified in 40 C.F.R. §63.7575.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 034 - Boiler 9						
034 - Boiler 9	(D)(034)(004)(a)	[25 Pa. Code §127.441]	Testing Requirements	(a) Stack tests shall be performed once per permit term for the following pollutants: (1) PM; (2) PM-10 and PM2.5 (filterable and condensable); (3) VOC; (4) Ammonia.	Facility policies, procedures, and operating practices are in place to ensure compliance. 034 Boiler 9 was tested for PM, PM-10, PM2.5, VOC, and Ammonia in November 2014.	Continuous
034 - Boiler 9	(D)(034)(004)(b)	[25 Pa. Code §127.441]	Testing Requirements	(b) The stack tests shall be performed while the source is operating at the maximum rated capacity as stated in the application.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(004)(c)	[25 Pa. Code §127.441]	Testing Requirements	(c) The permittee shall perform the above stack tests in accordance with the provisions of 40 C.F.R. §§ 60.8 and 63.7, and applicable Testing Requirements in Condition II of Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(005)(a)	[25 Pa. Code §127.441]	Monitoring Requirements	(a) The following DEP certified continuous monitors shall be installed, operated, and maintained to meet the minimum data availability requirements found in 25 Pa. Code, Chapter 139, and in accordance with 40 C.F.R. § 60.48b [Compliance with this condition assures compliance with 25 Pa. Code §123.51.]: (1) NOx; (2) CO; and (3) H2S in the North Yard RFG line.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
034 - Boiler 9	(D)(034)(005)(b)(1)	[25 Pa. Code §127.441]	Monitoring Requirements	(b) The permittee shall continuously monitor and record the following: (1) The catalyst bed inlet temperature	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitutions are performed for All monitored data.	Continuous
034 - Boiler 9	(D)(034)(005)(b)(2)	[25 Pa. Code §127.441]	Monitoring Requirements	(2) The fuel consumption by this boiler	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitutions are performed for All monitored data.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 034 - Boiler 9						
034 - Boiler 9	(D)(034)(008)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(d) Identification of the steam generating unit operating days when the calculated 30-day average nitrogen oxides emission rates are in excess of the nitrogen oxides emissions standards under 40 C.F.R. § 60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(008)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(e) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(008)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(f) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(008)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(g) Identification of "F" factor used for calculations, method of determination, and type of fuel combusted.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(008)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(h) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(008)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(i) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(008)(j)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(j) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 C.F.R. Part 60, Appendix F, Procedure 1.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(009)	[25 Pa. Code §127.441]	Reporting Requirements	DEP certified continuous emission monitor (CEM) results shall be reported to DEP on a quarterly basis.	Continuous monitor results will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
034 - Boiler 9	(D)(034)(010)	[25 Pa. Code §127.441]	Work Practice Requirements	The ammonia feed system and the injection system shall be operated with feedback from the continuous monitors, such that the flue gas NOx concentration is maintained at or below the NOx concentrations specified for this boiler in this permit.	Ammonia injection system is designed as specified in this condition.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 034 - Boiler 9						
034 - Boiler 9	(D)(034)(011)(d)(5)	[25 Pa. Code §145.8.]	Work Practice Requirements	(5) Allowable emissions per unit. By January 31 of each year, DEP will determine the allowable amount of NOx emissions for the next ozone season for each unit subject to this subsection, as follows: Allowable emission rate X each unit's heat input Where "Allowable emission rate" is equal to 3,438 tons of NOx --- Combined heat input of all units during the most recent ozone season	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
034 - Boiler 9	(D)(034)(011)(d)(6)	[25 Pa. Code §145.8.]	Work Practice Requirements	(6) Allowance surrender for excess emissions. If the combined NOx emissions from all affected non-EGUs in the commonwealth exceed 3,438 tons in an ozone season, then a source whose actual emissions exceeds its allowable emissions for that ozone season, as determined under (d)(5), above, shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx Ozone Season allowance and one CAIR NOx allowance for each ton of excess emissions. A source whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Sources under common ownership may include the allowable and actual emissions from multiple sources to determine whether a unit must surrender allowances.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(011)(d)(7)	[25 Pa. Code §145.8.]	Work Practice Requirements	(7) Surrender procedure. To surrender allowances under (d)(6), above, The permittee shall surrender the required CAIR NOx Ozone Season allowances and CAIR NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following: (i) the serial number of each allowance surrendered; and (ii) the calculations used to determine the quantity of allowances required to be surrendered.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(011)(d)(8)	[25 Pa. Code §145.8.]	Work Practice Requirements	(8) Failure to surrender allowances. If the permittee fails to comply with (d)(7), above, the permittee shall by June 30 surrender three CAIR NOx Ozone Season allowances and three CAIR NOx allowances of the current or later year vintage for each ton of excess emissions as calculated under (d)(6), above.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
034 - Boiler 9	(D)(034)(011)(d)(9)	[25 Pa. Code §145.8.]	Work Practice Requirements	(9) Liability not affected. The surrender of CAIR NOx ozone season allowances and CAIR NOx allowances under (d)(6), above, does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act. (i) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered. (ii) Each ton of excess emissions is a separate violation.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
034 - Boiler 9	(D)(034)(011)(d)(10)	[25 Pa. Code §145.8.]	Work Practice Requirements	(10) Actual emissions below allowable emissions. If a source's allowable emissions exceed their actual emissions for an ozone season, the permittee may deduct the difference or any portion of the difference from the actual emissions of source's under the permittee's common control that are subject to 25 Pa. Code §§129.201.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
034 - Boiler 9	(D)(034)(011)(d)(11)	[25 Pa. Code §145.8.]	Work Practice Requirements	(11) Corrections. One hundred and eighty-one (181) tons of allowable NOx emissions are available to the Department annually for accounting corrections.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 035 - Boiler 10						
035 - Boiler 10	(D)(035)(004)(b)	[25 Pa. Code §127.441]	Testing Requirements	(b) The stack tests shall be performed while the source is operating at the maximum rated capacity as stated in the application.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
035 - Boiler 10	(D)(035)(004)(c)	[25 Pa. Code §127.441]	Testing Requirements	(c) The permittee shall perform the above stack tests in accordance with the provisions of 40 C.F.R. §§ 60.8 and 63.7, and applicable Testing Requirements in Condition II of Section C of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
035 - Boiler 10	(D)(035)(005)(a)	[25 Pa. Code §127.441]	Monitoring Requirements	(a) The following DEP certified continuous monitors shall be installed, operated, and maintained to meet the minimum data availability requirements found in 25 Pa. Code, Chapter 139, and in accordance with 40 C.F.R. § 60.48b [Compliance with this condition assures compliance with 25 Pa. Code §123.51.]: (1) NOx; (2) CO; and (3) H2S in the North Yard RFG line.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
035 - Boiler 10	(D)(035)(005)(b)(1)	[25 Pa. Code §127.441]	Monitoring Requirements	(b) The permittee shall continuously monitor and record the following: (1) The catalyst bed inlet temperature	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitutions are performed for All monitored data.	Continuous
035 - Boiler 10	(D)(035)(005)(b)(2)	[25 Pa. Code §127.441]	Monitoring Requirements	(2) The fuel consumption by this boiler	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitutions are performed for All monitored data.	Continuous
035 - Boiler 10	(D)(035)(006)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48b]	Monitoring Requirements	The continuous NOx monitoring systems shall be operated and data recorded during all periods of operation of the source except for continuous monitoring system breakdowns and repairs. Data is recorded during calibration checks, and zero and span adjustments. The 1-hour average nitrogen oxides emission rates measured by the continuous nitrogen oxides monitor shall be expressed in ng/J or lb/MMBtu heat input and shall be used to calculate the average emission rates under 40 C.F.R. §60.44b. The 1-hour averages shall be calculated using the data points required under 40 C.F.R. §60.13(h)(2).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 035 - Boiler 10						
035 - Boiler 10	(D)(035)(008)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(f) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
035 - Boiler 10	(D)(035)(008)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(g) Identification of "F" factor used for calculations, method of determination, and type of fuel combusted.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
035 - Boiler 10	(D)(035)(008)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(h) Identification of the times when the pollutant concentration exceeded full span of the continuous monitoring system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
035 - Boiler 10	(D)(035)(008)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(i) Description of any modifications to the continuous monitoring system that could affect the ability of the continuous monitoring system to comply with Performance Specification 2 or 3.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
035 - Boiler 10	(D)(035)(008)(j)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(j) Results of daily CEMS drift tests and quarterly accuracy assessments as required under 40 C.F.R. Part 60, Appendix F, Procedure 1.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
035 - Boiler 10	(D)(035)(009)	[25 Pa. Code §127.441]	Reporting Requirements	DEP certified continuous emission monitor (CEM) results shall be reported to DEP on a quarterly basis.	Continuous monitor results will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
035 - Boiler 10	(D)(035)(010)	[25 Pa. Code §127.441]	Work Practice Requirements	The ammonia feed system and the injection system shall be operated with feedback from the continuous monitors, such that the flue gas NOx concentration is maintained at or below the NOx concentrations specified for this boiler in this permit.	Ammonia injection system is designed as specified in this condition.	Continuous
035 - Boiler 10	(D)(035)(011)(a)	[25 Pa. Code §145.8.]	Work Practice Requirements	(a) Allowances. Allocations in 2009 will be made in accordance with the Federal CAIR Ozone Season Trading Program, 40 C.F.R. Part 97 (relating to Federal NOx Budget Trading Program and CAIR NOx and SO2 Trading Programs). CAIR NOx Ozone Season allowance allocations for the control period starting May 1, 2010, and for each control period thereafter, will be distributed in accordance with 25 Pa. Code, Chapter 145, Subchapter D.	Not applicable in reporting period thus not amenable to certification.	Continuous
035 - Boiler 10	(D)(035)(011)(b)	[25 Pa. Code §145.8.]	Work Practice Requirements	(b) Termination and retirement of allowances. NOx allowances already allocated for 2009 or later are terminated and may not be used for compliance with the CAIR NOx Annual Trading Program or the CAIR NOx Ozone Season Trading Program, as those terms are defined in 40 C.F.R. §§96.102 and 96.302.	Not applicable in reporting period thus not amenable to certification.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 035 - Boiler 10						
035 - Boiler 10	(D)(035)(011)(d)(6)	[25 Pa. Code §145.8.]	Work Practice Requirements	(6) Allowance surrender for excess emissions. If the combined NOx emissions from all affected non-EGUs in the commonwealth exceed 3,438 tons in an ozone season, then a source whose actual emissions exceeds its allowable emissions for that ozone season, as determined under (d)(5), above, shall surrender to the Department by April 30 of the year following the ozone season one CAIR NOx Ozone Season allowance and one CAIR NOx allowance for each ton of excess emissions. A source whose excess emissions are 0.5 ton or greater of the next excess ton shall surrender 1 full ton of CAIR NOx allowances (banked or current) for that excess emission. Sources under common ownership may include the allowable and actual emissions from multiple sources to determine whether a unit must surrender allowances.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
035 - Boiler 10	(D)(035)(011)(d)(7)	[25 Pa. Code §145.8.]	Work Practice Requirements	(7) Surrender procedure. To surrender allowances under (d)(6), above, The permittee shall surrender the required CAIR NOx Ozone Season allowances and CAIR NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following: (i) the serial number of each allowance surrendered; and (ii) the calculations used to determine the quantity of allowances required to be surrendered.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
035 - Boiler 10	(D)(035)(011)(d)(8)	[25 Pa. Code §145.8.]	Work Practice Requirements	(8) Failure to surrender allowances. If the permittee fails to comply with (d)(7), above, the permittee shall by June 30 surrender three CAIR NOx Ozone Season allowances and three CAIR NOx allowances of the current or later year vintage for each ton of excess emissions as calculated under (d)(6), above.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
035 - Boiler 10	(D)(035)(011)(d)(9)	[25 Pa. Code §145.8.]	Work Practice Requirements	(9) Liability not affected. The surrender of CAIR NOx ozone season allowances and CAIR NOx allowances under (d)(6), above, does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act. (i) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered. (ii) Each ton of excess emissions is a separate violation.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
035 - Boiler 10	(D)(035)(011)(d)(10)	[25 Pa. Code §145.8.]	Work Practice Requirements	(10) Actual emissions below allowable emissions. If a source's allowable emissions exceed their actual emissions for an ozone season, the permittee may deduct the difference or any portion of the difference from the actual emissions of source's under the permittee's common control that are subject to 25 Pa. Code §§129.201.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous
035 - Boiler 10	(D)(035)(011)(d)(11)	[25 Pa. Code §145.8.]	Work Practice Requirements	(11) Corrections. One hundred and eighty-one (181) tons of allowable NOx emissions are available to the Department annually for accounting corrections.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 053 - Boiler 14						
053 - Boiler 14	(D)(053)(005)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.102a]	Fuel Restriction	(b) 60 ppmv determined daily on a 365 successive calendar day rolling average basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(006)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7 499]	Fuel Restriction	As per 40 C.F.R. §63.7499(1), the boiler is in the subcategory of units designed to burn gas 1 fuels.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(007)(a)	[25 Pa. Code §127.12b]	Control Device Efficiencies Restriction	(a) The NOx emissions from the boiler shall be reduced by selective catalytic reduction (SCR) system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(007)(b)	[25 Pa. Code §127.12b]	Control Device Efficiencies Restriction	(b) The CO and VOC emissions from the boiler shall be reduced by an oxidation catalyst. The oxidation catalyst shall be operated to maintain a minimum catalyst bed inlet temperature in oF as determined from the results of performance testing. The minimum inlet temperature shall be maintained at all times when the boiler is operating, except during periods of startup, shutdown, and malfunction.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(008)(a)	[25 Pa. Code §127.12b]	Testing Requirements	(a) Within 60 days after achieving the maximum production rate, but no later than 180 days after the initial start-up of the boiler, the permittee shall conduct performance test(s) on the boiler for NOx, CO, PM/PM10/PM2.5, VOC, and SO2 emissions in accordance with Chapter 139 of the Rules and Regulations of the Department and 40 C.F.R. Part 60 Subparts Db and Ja to show compliance. The test shall be performed while the boiler is operating at its maximum rated capacity as stated in the application.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(008)(b)	[25 Pa. Code §127.12b]	Testing Requirements	(b) The permittee shall establish the CO catalyst minimum inlet temperature based on the stack test results.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(008)(c)	[25 Pa. Code §127.12b]	Testing Requirements	(c) At least 60 days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(008)(e)	[25 Pa. Code §127.12b]	Testing Requirements	(e) At least 30 days prior to the test, the Regional Manager shall be notified of the date and time of the test.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(008)(f)	[25 Pa. Code §127.12b]	Testing Requirements	(f) Within 60 days after the test, two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Manager for approval.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(009)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.104a]	Testing Requirements	As per 40 C.F.R. §60.104a(a), (c) and (j), the permittee shall determine compliance with the fuel gas H2S limit in 40 C.F.R. §60.102a(g)(1)(ii) according to the following test methods and procedures: (1) Method 1 of appendixA-1 to 40 C.F.R. part 60 for sample and velocity traverses;	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 053 - Boiler 14						
053 - Boiler 14	(D)(053)(011)(a)	[25 Pa. Code §127.12b]	Monitoring Requirements	(a) This boiler must be equipped with the following continuous emission monitoring systems (CEMS) approved by the Department, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the Submittal and Approval", "Recordkeeping and Reporting" and "Quality Assurance" requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001. (1) CEMS #1 Parameters Limit and Units Averaging Time Period N02 0.0077 lb/MMBtu heat Input 30-day average, rolling by 1 day 02 (or C02) % 30-day average, rolling by 1 day (2) CEMS #2 Source name: North Yard Fuel Gas System Parameter Units Limits and averaging time period H2S ppmv 162 ppmv- 3-hour average, rolling by 1 hour, and 60 ppmv- 365-day average, rolling by 1 day Using the Department certified H2S monitoring system (SCIC:5) for the North Yard Fuel Gas System fulfills this requirement.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(011)(b)	[25 Pa. Code §127.12b]	Monitoring Requirements	(b) Certification and Testing Requirements (1) Initial application (Phase I) A proposal containing information as listed in the Phase I section of the Department's Continuous Source Monitoring Manual for the CEMS must be submitted no later than 180 days prior to the planned initial source startup date. (2) Performance testing (Phase II) Testing as listed in the Phase II section of the Department's Continuous Source Monitoring Manual must be completed for the CEMS no later than 180 days after initial source startup date and no later than 60 days after source achieves normal process capacity. (3) Final approval (Phase III) The final report of testing as listed in the Phase III section of the Department's Continuous Source Monitoring Manual must be submitted to the Bureau no later than 60 days after completion attesting. (4) The permittee will not be issued an operating permit until the Department issues approval of Phase III in writing.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(011)(c)	[25 Pa. Code §127.12b]	Monitoring Requirements	(c) The permittee shall install, operate, and maintain a device to continuously measure, indicate, and record the inlet temperature of the catalyst bed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(012)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]	Monitoring Requirements	(a) As per 40 C.F.R. §60.1 07a(a)(2), the permittee shall install, operate, calibrate, and maintain an instrument for continuously monitoring and recording the concentration by volume (dry basis) of H2S in the fuel gases before being burned in the boiler. (i) The permittee shall install, operate, and maintain each H2S monitor according to Performance Specification 7 of appendix B to 40 C.F.R. part 60. The span value for this instrument is 300 ppmv H2S. (ii) The permittee shall conduct performance evaluations for the H2S monitor according to the requirements of 40 C.F.R. §60.13(c) and Performance Specification 7 of appendix B to 40 C.F.R. part 60. The permittee shall use Method 11, 15, or 15A of appendix A-5 to 40 C.F.R. part 60 or Method 16 of appendix A-6 to part 60 for conducting the relative accuracy evaluations. (iii) The permittee shall comply with the applicable quality assurance procedures in appendix F to 40 C.F.R. part 60 for each H2S monitor. (iv) Fuel gas combustion devices having a common source of fuel gas maybe monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 053 - Boiler 14						
053 - Boiler 14	(D)(053)(014)(e)	[25 Pa. Code §127.12b]	Recordkeeping Requirements	(e) The permittee shall comply with the record keeping requirements established in 40 C.F.R. 60 Subparts Db and Ja, and 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the recordkeeping and reporting requirements in Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001. Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(014)(f)	[25 Pa. Code §127.12b]	Recordkeeping Requirements	(f) The permittee shall keep records of the inlet temperature of the catalyst bed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(014)(g)	[25 Pa. Code §127.12b]	Recordkeeping Requirements	(g) The permittee shall keep records of emissions for NOx, CO, SO2, PM, PM10, PM2.5, and VOC in tons on a monthly basis and 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(015)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(a) As per 40 C.F.R. §60.49b(d), the permittee shall record and maintain records of the amounts of each fuel combusted during each day for the reporting period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(015)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Recordkeeping Requirements	(b) As per 40 C.F.R. §60.49b(g) and (i), the permittee shall maintain records of the following information for each operating day: (1) Calendar date; (2) The average hourly NOx emission rates (expressed as N02) (lb/MMBtu heat input) measured or predicted; (3) The 30-day average NOx emission rates (lb/MMBtu heat input) calculated at the end of each steam generating unit operating day from the measured or predicted hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days; (4) Identification of the steam generating unit operating days when the calculated 30-day average NOx emission rates are in excess of the NOx emissions standards under 40 C.F.R. §60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken; (5) Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken; (6) Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data; (7) Identification of the times when the pollutant concentration exceeded full span of the CEMS; (8) Description of any modifications to the CEMS that could affect the ability of the CEMS to comply with Performance Specification 2 or 3; and (9) Results of daily CEMS drift tests and quarterly accuracy assessments as required under appendix F, Procedure 1 of 40 C.F.R. Part 60.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(016)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]	Recordkeeping Requirements	(a) The permittee must keep: (1)A copy of each notification and report submitted to comply with 40 C.F.R. 63 Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status submitted, according to the requirements in §63.10(b)(2)(xiv). (2) Records of compliance demonstrations as required in 40 C.F.R. §63.10(b)(2)(viii).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(016)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7555]	Recordkeeping Requirements	(b) The permittee must maintain records of the calendar date, time, occurrence and duration of each startup and shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 053 - Boiler 14						
053 - Boiler 14	(D)(053)(018)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Reporting Requirements	(d) As per 40 C.F.R. §60.49b(v), the permittee may submit electronic quarterly reports for NOx in lieu of submitting the written reports required under 40 C.F.R. §60.49b(h) and (i). The format of each quarterly electronic report shall be coordinated with the permitting authority. The electronic report(s) shall be submitted no later than 30 days after the end of the calendar quarter and shall be accompanied by a certification statement from the permittee, indicating whether compliance with the applicable emission standards and minimum data requirements of this subpart was achieved during the reporting period. Before submitting reports in the electronic format, the permittee shall coordinate with DEP to obtain their agreement to submit reports in this alternative format.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(018)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.49b]	Reporting Requirements	(e) As per 40 C.F.R. §60.49b(w), the reporting period is each 6 month period. All reports shall be submitted to DEP and shall be postmarked by the 30th day following the end of the reporting period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(019)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]	Reporting Requirements	(a) As per 40 C.F.R. §63.7545(c), the permittee must submit an Initial Notification not later than 15 days after the actual date of startup of the boiler.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(019)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7545]	Reporting Requirements	(b) As per 40 C.F.R. §§63.7530(f) and 63.7545(e), the permittee must submit the Notification of Compliance Status containing the following information: (1) A description of the boiler including identification of which subcategory the boiler is in, the design heat input capacity of the boiler, description of the fuel(s) burned. (2) In addition to the information required in 40 C.F.R. §63.9(h)(2), the notification of compliance status must include the following certification of compliance, and signed by a responsible official: "This facility complies with the required initial tune-up according to the procedures in 40 C.F.R. §63.7540(a)(10)(i) through (vi)."	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(020)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]	Reporting Requirements	(a) As per 40 C.F.R. §63.7550(a) and (c)(1) and (c)(5), the permittee must submit each compliance report that contains the following: (i) Company and Facility name and address. (ii) Process unit information. (iii) Date of report and beginning and ending dates of the reporting period. (iv) The total operating time during the reporting period. (xiv) Include the date of the most recent tune-up for the boiler. Include the date of the most recent burner inspection if it was not done on a 5 year period and was delayed until the next scheduled or unscheduled unit shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(020)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]	Reporting Requirements	(b) As per 40 C.F.R. §63.7550(b), the permittee must submit each report, according to 40 C.F.R. §63.7550(h), according to the requirements in paragraph (1) through (4) below. (1) The first 5-year compliance report must cover the period beginning on the date of the boiler startup and ending January 31, 5 years after the boiler startup date. (2) The first 5-year compliance report must be postmarked or submitted no later than January 31. (3) 5-year compliance reports must cover the applicable 5-year periods from January 1 to December 31. (4) 5-year compliance reports must be postmarked or submitted no later than January31.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(020)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7550]	Reporting Requirements	(c) As per 40 C.F.R. §63.7550(h)(3), the permittee must submit all reports required electronically using CEDRI that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the permittee must submit the report to DEP at the appropriate address listed in 40 C.F.R. §63.13. At the discretion of DEP, the permittee must also submit these reports, to DEP in the format specified by DEP.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 053 - Boiler 14						
053 - Boiler 14	(D)(053)(024)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]	Work Practice Requirements	(b) As per 40 C.F.R. §63.7540(a)(10), each tune-up of the boiler must be conducted as specified below: (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may delay the burner inspection until the next scheduled unit shutdown); (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available; (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown); (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOx requirement to which the unit is subject; (v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements maybe taken using a portable CO analyzer; and (vi) Maintain on-site and submit, if requested by the Administrator, a 5 year report containing the information in paragraphs (a)(10)(vi)(A) through (B) of this section, (A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler; (B) A description of any corrective actions taken as a part of the tune-up; and (C) The type and amount of fuel used over the 60 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(024)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]	Work Practice Requirements	(c) As per 40 C.F.R. §63.7540(12), the permittee may delay the burner inspection specified in paragraph (b)(i) above until the next scheduled or unscheduled unit shutdown, but the permittee must inspect each burner at least once every 72 months.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(024)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7540]	Work Practice Requirements	(d) As per 40 C.F.R. §63.7540(a)(13), if the boiler is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(025)	[25 Pa. Code §145.4.]	Additional Requirements	The boiler is subject to the NOx Budget Trading Program as per 25 Pa. Code §145.4(a)(2)(iii)(A). The permittee shall comply with all applicable requirements as specified in 25 Pa. Code Chapter 145.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(026)(1)	[25 Pa. Code §145.8.]	Additional Requirements	The permittee shall comply with all applicable requirements as specified in 25 Pa. Code §145.8(d) - Non-EGU NOx Trading Program Budget: (1) Statewide limitation. The sum of NOx ozone season emissions from all units subject to this subsection may not exceed the Commonwealth's non-EGU NOx Trading Program budget of 3,619 tons during any ozone season.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(026)(2)	[25 Pa. Code §145.8.]	Additional Requirements	(2) CAIR NOx ozone season allowances. All units subject to this subsection shall monitor and report NOx emissions in accordance with 40 CFR Part 96, Subpart HHHH (relating to monitoring and reporting), and establish a CAIR-authorized account representative and general account, in accordance with 40 CFR Part 96, Subparts BBBB and FFFF (relating to CAIR designated representative for CAIR NOx ozone season sources; and CAIR NOx ozone season allowance tracking system), incorporated into Subchapter D by reference, for the purposes of ensuring continued compliance with the non-EGU NOx Trading Program budget limitation of paragraph (1) and of retiring CAIR NOx ozone season allowances.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 053 - Boiler 14						
053 - Boiler 14	(D)(053)(026)(12)	[25 Pa. Code §145.8.]	Additional Requirements	(12) Corrections. One hundred and eighty-one tons of allowable NOx emissions are available to the Department annually for accounting corrections.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(027)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]	Additional Requirements	As per 40 C.F.R. §63.7495(a), the permittee must comply with 40 C.F.R. 63 subpart DDDDD for this boiler upon startup of this boiler.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
053 - Boiler 14	(D)(053)(028)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.7495]	Additional Requirements	The permittee shall comply with the General Provisions in 40 C.F.R. §§63.1 through 63.15 that apply.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 090 - Existing Emergency Compression Ignition Engines <500HF						
090 - Existing Emergency Compression Ignition Engines <500HP	(D)(090)(004)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]	Recordkeeping Requirements	(a) The records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).	Log books	Continuous
090 - Existing Emergency Compression Ignition Engines <500HP	(D)(090)(004)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]	Recordkeeping Requirements	(b) As specified in § 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.	Log books and PDF copies	Continuous
090 - Existing Emergency Compression Ignition Engines <500HP	(D)(090)(004)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]	Recordkeeping Requirements	(c) The permittee must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to § 63.10(b)(1).	Log books	Continuous
090 - Existing Emergency Compression Ignition	(D)(090)(005)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6595]	Reporting Requirements	The permittee must meet the applicable notification requirements in 40 C.F.R. Part 63 subpart A and §63.6645.		Continuous
090 - Existing Emergency Compression Ignition Engines <500HP	(D)(090)(006)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]	Reporting Requirements	If any emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of this subpart, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.		Continuous
090 - Existing Emergency Compression Ignition Engines <500HP	(D)(090)(007)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]	Work Practice Requirements	(a) The permittee must be in compliance with the requirements in this subpart that apply at all times.		Continuous
090 - Existing Emergency Compression Ignition Engines <500HP	(D)(090)(007)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]	Work Practice Requirements	(b) At all times the permittee must operate and maintain the source, including monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.		Continuous
090 - Existing Emergency Compression Ignition Engines <500HP	(D)(090)(008)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]	Work Practice Requirements	(a) The permittee must operate and maintain the generators according to the manufacturer's emission-related written instructions or develop owner's maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.		Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 091 - New Emergency Compression Ignition Engines (IC <30 Liter)						
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(001)	[25 Pa. Code §123.13]	Emission Restriction	The permittee shall not emit into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.	Manufacturer's records	Continuous
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(002)	[25 Pa. Code §123.21]	Emission Restriction	No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.	Manufacturer's records	Continuous
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(003)	[25 Pa. Code §123.41]	Emission Restriction	The permittee shall not emit into the outdoor atmosphere of visible air contaminants from this source in such a manner that the opacity of the emission is either of the following: (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour. (2) Equal to or greater than 60% at any time.	Manufacturer's records	Continuous
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(004)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]	Emission Restriction	(a) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in 40 C.F.R.§60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.	Manufacturer's records	Continuous
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(004)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]	Emission Restriction	(b) The new nonroad CI engine(s) under source ID 091 must comply with the emission standards for all pollutants as specified in 40 C.F.R. §60.4202(a)(2), as per 40 C.F.R. §60.4205(b).	Manufacturer's records	Continuous
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(004)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]	Emission Restriction	(c) As per 40 C.F.R. §60.4202(a)(2), the emission standards for new nonroad CI engines for the same model year and maximum engine power are in 40 C.F.R. §89.112 for all pollutants beginning in model year 2007. The exhaust emission from this engine shall not exceed the exhaust emission standards as follows: (1) NMHC + NOx: 4.0 g/kW-hr (2) CO: 3.5 g/kW-hr (3) PM: 0.20 g/kW-hr	Manufacturer's records	Continuous
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(005)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]	Emission Restriction	The permittee must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 C.F.R. §60.4205 over the entire life of the engine.		Continuous
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(006)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]	Fuel Restriction	Beginning October 1, 2010, the permittee must use diesel fuel that meets the requirements of 40 C.F.R. 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.		Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 091 - New Emergency Compression Ignition Engines (IC <30 Liter)						
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(010)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]	Work Practice Requirements	(a) The permittee must (1) Operate and maintain the stationary CI internal combustion engine according to the manufacturer's emission-related written instructions; (2) Change only those emission-related settings that are permitted by the manufacturer; and (3) Meet the requirements of 40 C.F.R. parts 89 and/or 1068, as they apply.		Continuous
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(010)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]	Work Practice Requirements	(b) The permittee must comply by purchasing an engine certified to the emission standards in 40 C.F.R. §60.4205(b) for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications.		N/A
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(011)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4218]	Additional Requirements	The permittee must comply with the applicable parts of the General Provisions in §§60.1 through 60.19.		Continuous
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(012)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]	Additional Requirements	(a) The engine(s) under this source ID must meet the requirements of 40 C.F.R. part 63 by meeting the requirements of 40 C.F.R. part 60 subpart IIII, for compression ignition engines.		Continuous
091 - New Emergency Compression Ignition Engines (IC <30 Liter)	(D)(091)(012)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]	Additional Requirements	(b) Source ID 091 covers the following Emergency Generator(s) firing diesel fuel: Engine ID Name Make Model HP Installation Date L/cylinder 12032750 Boiler Complex Generator Caterpillar Inc C-15 490 6/12/2008 2.5 FTE01256 IT Bldg Generator Caterpillar Inc C15 619 3/13/2014 2.53	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	N/A

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 092 - Yanmar CI RICE (LP Basement Godwin Pump)						
092 - Yanmar CI RICE (LP Basement Godwin Pump)	(D)(092)(006)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]	Work Practice Requirements	(a) The permittee must be in compliance with the requirements in this subpart that apply.		Continuous
092 - Yanmar CI RICE (LP Basement Godwin Pump)	(D)(092)(006)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]	Work Practice Requirements	(b) At all times the permittee must operate and maintain the source in a manner consistent with safety and good air pollution control practices for minimizing emissions.		Continuous
092 - Yanmar CI RICE (LP Basement Godwin Pump)	(D)(092)(007)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]	Work Practice Requirements	(a) As per 40 C.F.R. §63.6625(e), the permittee must operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop owner's maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions		Continuous
092 - Yanmar CI RICE (LP Basement Godwin Pump)	(D)(092)(007)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]	Work Practice Requirements	(b) As per 40 C.F.R. §63.6625(h), the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.		Continuous
092 - Yanmar CI RICE (LP Basement Godwin Pump)	(D)(092)(007)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]	Work Practice Requirements	(c) As per 40 C.F.R. §63.6625(i), the permittee may use an oil analysis program in order to extend the specified oil change requirement in Table 2c to 40 C.F.R. 63 subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c to 40 C.F.R. 63 subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: (1) Total Base Number, (2) Viscosity , and (3) Percent water content. The condemning limits for these parameters are as follows: (1) Total Base Number is less than 30 percent of the Total Base Number of the oil when new; (2) Viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or (3) Percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the permittee is not required to change the oil. If any of the limits are exceeded, the permittee must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the permittee must change the oil within 2 business days or before commencing operation, whichever is later. The analysis program must be part of the maintenance plan for the engine.		N/A
092 - Yanmar CI RICE (LP Basement Godwin Pump)	(D)(092)(008)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]	Work Practice Requirements	The permittee must demonstrate continuous compliance by (a) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or (b) Develop and follow owner's maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.		Continuous
092 - Yanmar CI RICE (LP Basement Godwin Pump)	(D)(092)(009)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]	Additional Requirements	The following is an existing CI RICE under Source ID 092 Engine Name Manufacturer Model HP Location LP Basement Godwin Pump Yanmar 3TNV88 28 Boiler House		Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 101 - FCC Unit						
101 - FCC Unit	(D)(101)(001)(a)(i)	[25 Pa. Code §127.441]	Emission Restriction	Emissions from this source including the air cleaning devices shall not exceed any of the following: (a) Nitrogen Oxides (NOx) emissions shall not exceed i. 121.1 ppmdv as 365-day rolling average at 0 percent oxygen. This limit applies at all times when the FCCU and/or CO boiler are operating.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(001)(a)(ii)	[25 Pa. Code §127.441]	Emission Restriction	ii. 155.3 ppmdv as 7-day rolling average at 0 percent oxygen. This limit applies at all times when the FCCU and/or CO boiler are operating, except during periods of startup, shutdown, or malfunction.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
101 - FCC Unit	(D)(101)(001)(a)(iii)	[25 Pa. Code §127.441]	Emission Restriction	iii. 500 ppmdv as 3-hour average at 0 percent oxygen; and	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
101 - FCC Unit	(D)(101)(001)(a)(iv)	[25 Pa. Code §127.441]	Emission Restriction	iv. 654.5 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(001)(b)	[25 Pa. Code §127.441]	Emission Restriction	(b) Carbon Monoxide (CO) emissions shall not exceed 500 ppmvd as 1-hour average at 0 percent oxygen, and 434.1 tons per year calculated as a 12-month rolling sum. Compliance with CO emission limit of 500ppmvd assured compliance with 40 C.F.R. §§60.103(a) and 63.1565(a)(1).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
101 - FCC Unit	(D)(101)(001)(c)	[25 Pa. Code §127.441]	Emission Restriction	(c) Volatile Organic Compounds (VOCs) emissions shall not exceed 8.1 tons per year calculated as a 12-month rolling sum.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(001)(d)	[25 Pa. Code §127.441]	Emission Restriction	(d) Particulate Matter (PM) emissions shall not exceed 93.3 tons per year calculated as a 12-month rolling sum and 0.5lb/1000lb coke burned on a 3-hour average basis. Compliance with this PM emission limit assured compliance with 40 C.F.R. §§60.102(a)(1) and 63.1564(a)(1).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(001)(e)	[25 Pa. Code §127.441]	Emission Restriction	(e) Ammonia (NH3) emissions shall not exceed 25 ppmvd corrected to 0 percent oxygen.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(001)(f)	[25 Pa. Code §127.441]	Emission Restriction	(f) Sulfur Dioxide (SO2) emissions shall not exceed 50 ppmvd corrected to 0 percent oxygen, calculated daily as a 7-day rolling average basis, 25 ppmvd corrected to 0 percent oxygen, calculated as a 365-day rolling average, and 165.8 tons per year calculated as a 12-month rolling period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(001)(g)	[25 Pa. Code §127.441]	Emission Restriction	(g) The permittee shall comply with 25 Pa. Code Section 123.41, regarding visible emissions and/or 40 C.F.R. Section 60.102(a)(2), regarding the standard for opacity, whichever is more stringent.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 101 - FCC Unit						
101 - FCC Unit	(D)(101)(006)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.106]	Testing Requirements	The permittee shall use the test methods in 40 C.F.R. 60 Appendix A and/or the methods and procedures as specified in 40 C.F.R. §60.106, except as provided in 40 C.F.R. §60.8(b).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(007)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1571]	Testing Requirements	a. The permittee shall conduct performance tests in compliance with 40 C.F.R. §63.1571(b).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(007)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1571]	Testing Requirements	b. The permittee shall use the procedures specified in 40 C.F.R. §63.1571(c) for any engineering assessment.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(007)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1571]	Testing Requirements	c. The permittee shall comply with the applicable requirements specified in 40 C.F.R. §63.1571(d) to adjust the process or control device measured values when establishing an operating limit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(007)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1571]	Testing Requirements	d. The permittee shall comply with the applicable requirements specified in 40 C.F.R. §63.1571(e)(1) through (3) to change the established operating limit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(008)(a)	[25 Pa. Code §127.441]	Monitoring Requirements	[Additional authority for this permit condition is also derived from Consent Decree (Civil Action H-05-258).] (a) The permittee shall operate and maintain DEP certified continuous emission monitors for nitrogen oxides (NOx), carbon monoxide (CO), sulfur dioxide (SO2), and oxygen (O2) on the FCC Unit in accordance with the applicable provisions of 40 C.F.R. §§ 60.13 and 60.105, 40 C.F.R. 60, Appendices A and F, and the performance specifications of 40 C.F.R. 60, Appendix B.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
101 - FCC Unit	(D)(101)(008)(b)	[25 Pa. Code §127.441]	Monitoring Requirements	(b) The permittee shall monitor and record (1) The ratio of liquid-to-gas of the wet gas scrubber (Source ID: C101-4). (2) The amount of reagent flowing to the SNCR system (Source ID: C101-3).	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 101 - FCC Unit						
101 - FCC Unit	(D)(101)(011)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1572]	Monitoring Requirements	a. The permittee shall operate and maintain CO, SO2, O2 continuous emission monitoring systems according to the requirements specified in paragraphs (a)(1) through (4) of 40 C.F.R. §63.1572.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
101 - FCC Unit	(D)(101)(011)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1572]	Monitoring Requirements	b. The permittee shall use the US EPA approved alternative monitoring plan (AMP) to conduct performance test and operate and maintain the liquid-to-gas ratio monitoring system in lieu of a continuous opacity monitoring system to determine compliance with 40 C.F.R. §60.102(a).	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
101 - FCC Unit	(D)(101)(011)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1572]	Monitoring Requirements	c. The permittee shall operate and maintain each continuous parameter monitoring system according to the requirements in paragraphs (1) through (5) of 40 C.F.R. §63.1572(c).	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
101 - FCC Unit	(D)(101)(011)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1572]	Monitoring Requirements	d. The permittee shall monitor and collect data according to the requirements in paragraphs (1) through (2) of 40 C.F.R. §63.1572(d).	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 101 - FCC Unit						
101 - FCC Unit	(D)(101)(016)	[25 Pa. Code §127.441]	Reporting Requirements	The FCC Unit is subject to 40 C.F.R. 60 Subpart J of the Standards of Performance for New Stationary Sources and 40 C.F.R. 63 Subpart UUU of the National Emission Standards for Hazardous Air Pollutants for Refineries, and shall comply with all applicable requirements of the Subparts. 40 C.F.R. Sections 60.4 and 63.13 require submission of copies of all requests, reports, applications, submittals, and other communications to both the EPA and the Department. The EPA copies shall be forwarded to the address specified in Section B of this permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(017)	[25 Pa. Code §129.204]	Reporting Requirements	The permittee shall monitor NOx emissions and report the data from the CEMS in accordance with 25 Pa. Code, Chapter 139 or Chapter 145 (relating to interstate pollution transport reduction). Any data invalidated under Chapter 139 shall be substituted with data calculated using the potential emission rate for the unit or, if approved by DEP in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(018)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.105]	Reporting Requirements	For the purpose of reports under 40 C.F.R. §60.7(c), periods of excess emission that shall be determined and reported are: CO - All 1-hour periods during which the average CO concentration as measured by the CO continuous monitoring system exceeds 500ppm.. SO2 - All 7-day periods during which the average concentration of SO2 as measured by the SO2 CEM system exceed 50ppm (dry basis, zero percent excess air). SO2 - All 365-day periods during which average concentration of SO2 as measured by the SO2 CEM system exceed 25ppm (dry basis, zero percent excess air). Opacity - All 1-hour period during which the measured liquid-to-gas ratio of the wet gas scrubber (Source ID: C101-4) is below the required minimum of 0.08 gallons/dscf.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). All monitored data will be reported to the Department quarterly once the Department certifies the monitor(s) under Revision 8 of the Continuous Source Monitoring Manual.	Continuous
101 - FCC Unit	(D)(101)(019)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107]	Reporting Requirements	The permittee shall submit a report in accordance with 40 C.F.R. §60.107(c), (d), (f), and (g).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(020)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Reporting Requirements	The permittee shall report each instance in which each emission limitation and each operating limit was not met. This includes periods of startup, shutdown, and malfunction. The permittee shall report each instance in which the applicable work practice standards were not met. These instances are deviations from the emission limitations and work practice standards in this subpart. These deviations must be reported according to the requirements in 40 C.F.R. §63.1575.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(021)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(a) The permittee shall submit each report required in Table 43 of 40 C.F.R. Part 63 Subpart UUU.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 101 - FCC Unit						
101 - FCC Unit	(D)(101)(021)(e)(5)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(5) A summary of the total duration of the deviation during the reporting period (recorded in minutes for opacity and hours for gases and in the averaging period specified in the regulation for other types of emission limitations), and the total duration as a percent of the total source operating time during that reporting period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(021)(e)(6)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(6) A breakdown of the total duration of the deviations during the reporting period and into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(021)(e)(7)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(7) A summary of the total duration of downtime for the continuous opacity monitoring system or continuous emission monitoring system during the reporting period (recorded in minutes for opacity and hours for gases and in the averaging time specified in the regulation for other types of standards), and the total duration of downtime for the continuous opacity monitoring system or continuous emission monitoring system as a percent of the total source operating time during that reporting period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(021)(e)(8)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(8) A breakdown of the total duration of downtime for the continuous opacity monitoring system or continuous emission monitoring system during the reporting period into periods that are due to monitoring equipment malfunctions, non-monitoring equipment malfunctions, quality assurance/quality control calibrations, other known causes, and other unknown causes.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(021)(e)(9)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(9) An identification of each HAP that was monitored at the affected source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(021)(e)(10)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(10) A brief description of the process units.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(021)(e)(11)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(11) The monitoring equipment manufacturer(s) and model number(s).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(021)(e)(12)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(12) The date of the latest certification or audit for the continuous opacity monitoring system or continuous emission monitoring system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(021)(e)(13)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(13) A description of any change in the continuous emission monitoring system or continuous opacity monitoring system, processes, or controls since the last reporting period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 101 - FCC Unit						
101 - FCC Unit	(D)(101)(023)	[25 Pa. Code §127.441]	Work Practice Requirements	The permittee shall operate and maintain the source and the following air-cleaning devices in accordance with manufacturers' specifications as well as good air pollution control practices: (a) The wet gas scrubber (Source ID C101-4) to control the emissions of sulfur dioxide (SO2) and particulate matter (PM). (b) The enhanced selective non-catalytic reduction (SNCR) system (Source ID C101-3) to control the emissions of nitrogen oxides (NOx). (c) CO Boiler (Source ID C01). (d) Research Cottrell ESP (Source ID C02).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(024)(a)	[25 Pa. Code §129.201]	Work Practice Requirements	(a) Each year, the permittee shall calculate the difference between the actual emissions from the CO Boiler for the period from May 1 through September 30 and the allowable emissions for that period. Note: Actual emissions are measured as the NOx out of the CO Boiler minus the NOx into the CO Boiler.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(024)(b)	[25 Pa. Code §129.201]	Work Practice Requirements	(b) The permittee shall calculate allowable emissions by multiplying the CO Boiler's cumulative heat input for the period by the emission rate of 0.17 pounds NOx per million Btu heat input. Note: Heat input means the aggregate of heat generated from the conversion of CO => CO2 and the heat generated from the burning of RFG/natural gas.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(025)(a)	[25 Pa. Code §129.204]	Work Practice Requirements	(a) For the CO Boiler, the permittee shall surrender to the Department one NOx allowance, as defined in 25 Pa. Code § 145.2 (relating to definitions), for each ton of NOx by which the combined actual emissions exceed the allowable emissions of this source from May 1 through September 30. The surrendered NOx allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(025)(b)	[25 Pa. Code §129.204]	Work Practice Requirements	(b) By November 1 of each year, the permittee shall surrender the required NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following: (1) The serial number of each NOx allowance surrendered. (2) The calculations used to determine the quantity of NOx allowances required to be surrendered.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(025)(c)	[25 Pa. Code §129.204]	Work Practice Requirements	(c) If the permittee fails to comply with (b), above, the permittee shall by December 31 surrender three (3) NOx allowances of the current or later year vintage for each NOx allowance that was required to be surrendered by November 1 of that year.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(025)(d)	[25 Pa. Code §129.204]	Work Practice Requirements	(d) The surrender of NOx allowances under (c), above, does not affect the liability of the permittee of the unit for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act. (1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered. (2) Each ton of excess emissions is a separate violation.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
101 - FCC Unit	(D)(101)(026)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Work Practice Requirements	The permittee shall always operate and maintain the source, including air pollution control and monitoring equipment, according to the provisions in 40 C.F.R. §63.6(e)(1)(i).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 102 - Claus Sulfur Recov. Plt.						
102 - Claus Sulfur Recov. Plt.	(D)(102)(001)	[25 Pa. Code §123.13]	Emission Restriction	Particulate matter emissions from this source shall not exceed 0.04 gr/dscf.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(002)	[25 Pa. Code §127.441]	Emission Restriction	[Additional authority for this permit condition is also derived from Consent Decree (Civil Action H-05-258) and 40 C.F.R. Part 60 Subpart Ja] The permittee shall not discharge or cause the discharge of any gases into the atmosphere in excess of 250 ppm by volume (dry basis) of sulfur dioxide (SO2) at zero percent excess air on a 12-hour rolling average basis, persuant to 40 C.F.R. §§60.102a(f)(1)(i).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
102 - Claus Sulfur Recov. Plt.	(D)(102)(003)(a)	[25 Pa. Code §129.13]	Emission Restriction	(a) Sulfur dioxides (SO2) emissions from this unit shall not exceed 0.036 pounds per pound of sulfur compounds, expressed as sulfur, in the feed gases, at any time.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(003)(b)	[25 Pa. Code §129.13]	Emission Restriction	(b) The above limit does not apply to fuel gases (natural gas and/or refinery fuel gas) fired for plant startup.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(004)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Emission Restriction	a. The permittee shall be in compliance with all of the non-opacity standards set forth in 40 C.F.R. 63 Subpart UUU. The non-opacity emission standards shall apply at all times except during periods of startup, shutdown, and malfunction, and as otherwise specified in an applicable subpart. If a startup, shutdown, or malfunction of one portion of an affected source does not affect the ability of particular emission points within other portions of the affected source to comply with the non- opacity emission standards set forth in 40 C.F.R. 63 Subpart UUU, then that emission point must still be required to comply with the non-opacity emission	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
102 - Claus Sulfur Recov. Plt.	(D)(102)(004)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Emission Restriction	b. The permittee shall be in compliance with the opacity and visible emission limits. The opacity and visible emission standards set forth in 40 C.F.R. 63 Subpart UUU must apply at all times except during periods of startup, shutdown, and malfunction, and as otherwise specified in an applicable subpart. If a startup, shutdown, or malfunction of one portion of an affected source does not affect the ability of particular emission points within other portions of the affected source to comply with the opacity and visible emission standards set forth in 40 C.F.R. 63 Subpart UUU, then that emission point shall still be required to comply with the opacity and visible emission standards and other applicable requirements.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(005)	[25 Pa. Code §127.441]	Testing Requirements	The permittee shall follow the most recent version of Continuous Source Monitoring Manual, Document No. 274-0300-001 for performance test procedures of the CEMS, and to operate and maintain the CEMS, unless otherwise stated under Condition #009, of this Source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(006)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1571]	Testing Requirements	a. The permittee shall conduct performance tests in compliance with 40 C.F.R. §63.1571(b).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(006)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1571]	Testing Requirements	b. The permittee shall use the procedures specified in 40 C.F.R. §63.1571(c) for any engineering assessment.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(006)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1571]	Testing Requirements	c. The permittee shall comply with the applicable requirements specified in 40 C.F.R. §63.1571(d) to adjust the process or control device measured values when establishing an operating limit.	Facility policies, procedures, and operating practices are in place to ensure compliance. No operating limits established for 102 - Claus	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(006)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1571]	Testing Requirements	d. The permittee shall comply with the applicable requirements specified in 40 C.F.R. §63.1571(e)(1) through (3) to change the established operating limit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 102 - Claus Sulfur Recov. Plt.						
102 - Claus Sulfur Recov. Plt.	(D)(102)(009)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall comply with the applicable recordkeeping requirements set forth in 40 C.F.R. 60, Subparts A and J, and 40 C.F.R. 63, Subpart A and §63.1576. [Additional authority for this permit condition is also derived from Consent Decree (Civil Action H-05-258).] (1) The permittee shall keep a current copy of the operation, maintenance, and monitoring plan onsite and available for inspection. The permittee shall keep records to show continuous compliance with the procedures in the operation, maintenance, and monitoring plan as per 40 C.F.R. §63.1576(e). (2) The records shall be in a form suitable and readily available for expeditious review according to 40 C.F.R. §63.10(b)(i) and §63.1576(g). (3) The permittee shall keep the records for 5 years, and keep the records on site for at least 2 years according to 40 C.F.R. §63.10(b)(1) and §§63.1576(h) and (i).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(010)	[25 Pa. Code §127.441]	Recordkeeping Requirements	[Additional authority for this permit conditions is also derived from 40 C.F.R. §60.108a] The permittee shall maintain the following records: (a) Records of discharges greater than 500 lb SO2 in excess of the allowable limits from a sulfur recovery plant. The following information shall be recorded no later than 45 days following the end of a discharge exceeding the thresholds: (i) A description of the discharge. (ii) The date and time the discharge was first identified and the duration of the discharge. (iii) The measured or calculated cumulative quantity of gas discharged over the discharge duration. If the discharge duration exceeds 24 hours, record the discharge quantity for each 24-hour period. (iv) For each discharge greater than 500 lb SO2 in excess of the allowable limits from a sulfur recovery plant, either the measured concentration of reduced sulfur or SO2 discharged to the atmosphere. (v) For each discharge greater than 500 lb SO2 in excess of the allowable limits from sulfur recovery plant, the cumulative quantity of H2S and SO2 released into the atmosphere. (vi) The steps that the permittee took to limit the emissions during the discharge. (vii) The root cause analysis and corrective action analysis conducted as required in 40 C.F.R. §60.103a(d), including anidentification of the affected facility, the date and duration of the discharge, a statement noting whether the discharge resulted from the same root cause(s) identified in a previous analysis and either a description of the recommended corrective action(s) or an explanation of why corrective action is not necessary under 40 C.F.R. §60.103a(e). (viii) For any corrective action analysis for which corrective actions are required in §60.103a(e), a description of the corrective action(s) completed within the first 45 days following the discharge and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
102 - Claus Sulfur Recov. Plt.	(D)(102)(011)	[25 Pa. Code §127.441]	Reporting Requirements	[Additional authority for the permit conditions are also derived from Consent Decree (Civil Action H-05-258), and 40 C.F.R. Part 60 Subpart J and Part 63 Subpart UUU.] (a) The permittee shall comply with the applicable reporting requirements set forth in 40 C.F.R. 60, Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU. (b) The permittee shall submit all the applicable notifications and reports in accordance with 40 C.F.R. §63.1574 and §63.1575. (c) The permittee shall report each instance in which the emission limitations and operating limit are not met as per 40 C.F.R. §63.1570(f).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(012)(a)	[25 Pa. Code §127.441]	Reporting Requirements	[Additional authority for this permit conditions is also derived from 40 C.F.R. § 60.108a] (a) The permittee shall comply with the notification, recordkeeping, and reporting requirements in 40 C.F.R. §60.7.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 102 - Claus Sulfur Recov. Plt.						
102 - Claus Sulfur Recov. Plt.	(D)(102)(014)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(d) For each deviation from an emission limitation and for each deviation from the requirements for work practice standards that occurs at an affected source where the permittee are not using a continuous opacity monitoring system or a continuous emission monitoring system to comply with the emission limitation or work practice standard in this subpart, the compliance report must contain the information in paragraphs (c)(1) through (3) above and the information in paragraphs (d)(1) through (3) below. (1) The total operating time of each affected source during the reporting period. (2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken. (3) Information on the number, duration, and cause for monitor downtime incidents (including unknown cause, if applicable, other than downtime associated with zero and span and other daily calibration checks).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(014)(e)(1)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(e) For each deviation from an emission limitation occurring at an affected source using a continuous emission monitoring system to comply with the emission limitation, the permittee must include the information in paragraphs (d)(1) through (3) above and the information in paragraphs (e)(1) through (13) below. (1) The date and time that each malfunction started and stopped.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(014)(e)(2)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(2) The date and time that each continuous opacity monitoring system or continuous emission monitoring system was inoperative, except for zero (low-level) and high-level checks.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(014)(e)(3)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(3) The date and time that each continuous opacity monitoring system or continuous emission monitoring system was out-of-control, including the information in 40 C.F.R. §63.8(c)(8).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(014)(e)(4)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of startup, shutdown, or malfunction or during another period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(014)(e)(5)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(5) A summary of the total duration of the deviation during the reporting period (recorded in minutes for opacity and hours for gases and in the averaging period specified in the regulation for other types of emission limitations), and the total duration as a percent of the total source operating time during that reporting period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(014)(e)(6)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(6) A breakdown of the total duration of the deviations during the reporting period and into those that are due to startup, shutdown, control equipment problems, process problems, other known causes, and other unknown causes.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(014)(e)(7)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(7) A summary of the total duration of downtime for the continuous opacity monitoring system or continuous emission monitoring system during the reporting period (recorded in minutes for opacity and hours for gases and in the averaging time specified in the regulation for other types of standards), and the total duration of downtime for the continuous opacity monitoring system or continuous emission monitoring system as a percent of the total source operating time during that reporting period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 102 - Claus Sulfur Recov. Plt.						
102 - Claus Sulfur Recov. Plt.	(D)(102)(014)(g)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(g) The permittee may submit reports required by other regulations in place of or as part of the compliance report if they contain the required information.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(014)(h)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(h) The reporting requirements in paragraphs (h)(1) and (2) below apply to startups, shutdowns, and malfunctions: (1) When actions taken to respond are consistent with the plan, the permittee are not required to report these events in the semiannual compliance report and the reporting requirements in 40 C.F.R. §§63.6(e)(3)(iii) and 63.10(d)(5) do not apply. (2) When actions taken to respond are not consistent with the plan, the permittee must report these events and the response taken in the semiannual compliance report. In this case, the reporting requirements in 40 C.F.R. §§63.6(e)(3)(iv) and 63.10(d)(5) do not apply.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(015)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	(a) The permittee shall ensure, that the Scot Tail Gas Treater (Source ID C03) and incinerator (Source ID C102), which are both part of the Sulfur Recovery Unit, be maintained and operated in accordance with manufacturers' specifications and in accordance with good air pollution control practices. [Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93.]	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(015)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) [Additional authority for this permit condition is also derived from Consent Decree (Civil Action H-05-258).] (1) The permittee shall comply with the applicable work practice standard requirements set forth in 40 C.F.R. 60, Subparts A and J, and 40 C.F.R. 63, Subparts A and UUU. (2) The permittee shall prepare an operation, maintenance, and monitoring plan according to the requirements in 40 C.F.R. §63.1574(f), and operate at all times according to the procedures in the plan as per 40 C.F.R. §63.1568(a)(3). (3) The permittee shall demonstrate continuous compliance with the emission limitation in accordance with the methods specified in Tables 34 and 35 of 40 C.F.R. Part 63 Subpart UUU. (4) The permittee shall comply with the requirements for HAP emissions from bypass lines in accordance with 40 C.F.R. §63.1569. (5) The permittee shall demonstrate continuous compliance with the work practice standard required in 40 C.F.R. §63.1568(a)(3) by complying with the procedures in the operation maintenance, and monitoring plan, as per 40 C.F.R. §63.1568(c).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(016)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 40 C.F.R. Part 60 Subpart Ja] (a) The permittee shall conduct a root cause analysis and a corrective action analysis for each time the SO2 emissions are more than 227 kg (500 lb) greater than the amount that would have been emitted if the SO2 or reduced sulfur concentration was equal to the applicable emissions limit in Condition #001 during one or more consecutive periods of excess emissions or any 24-hour period, whichever is shorter, persuant to 40 C.F.R. § 60.103a (c) (3).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(016)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) The root cause analysis and corrective action analysis must be completed as soon as possible, but no later than 45 days after a discharge meeting the condition (a), persuant to 40 C.F.R. § 60.103a (d).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 102 - Claus Sulfur Recov. Plt.						
102 - Claus Sulfur Recov. Plt.	(D)(102)(018)(2)(vi)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1574]	Work Practice Requirements	(vi) Procedures used to determine the gas flow rate for the source.	Facility work practices and procedures; knowledge information and belief; CEMS; OMMP Source 102 does not use Ni and does not have a wet gas scrubber	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(018)(2)(vii)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1574]	Work Practice Requirements	(vii) Monitoring schedule, including when to and not to monitor the source.	Facility work practices and procedures; knowledge information and belief; CEMS; OMMP Source 102 does not use Ni and does not have a wet gas scrubber	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(018)(2)(viii)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1574]	Work Practice Requirements	(viii) Quality control plan for each continuous monitoring system used to meet an emission limit. The plan must include procedures used for calibrations, accuracy audits, and adjustments to the system needed to meet applicable requirements for the system.	Facility work practices and procedures; knowledge information and belief; CEMS; OMMP Source 102 does not use Ni and does not have a wet gas scrubber	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)(018)(2)(ix)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1574]	Work Practice Requirements	(ix) Maintain schedule for each monitoring system and control device for each affected source that is generally consistent with the manufacturer's instructions for routine and long-term maintenance.	Facility work practices and procedures; knowledge information and belief; CEMS; OMMP Source 102 does not use Ni and does not have a wet gas scrubber	Continuous
102 - Claus Sulfur Recov. Plt.	(D)(102)	None	Additional Requirements	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 103 - Main Flare						
103 - Main Flare	(D)(103)(008)(a)	[25 Pa. Code §127.441]	Monitoring Requirements	(a) The permittee shall monitor and record the process gas flow to the flare on a continuous basis.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(008)(b)	[25 Pa. Code §127.441]	Monitoring Requirements	(b) The H2S content of the process gas shall be monitored using a combination of engineering judgment and/or prior test data.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(009)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]	Monitoring Requirements	(a) As per 40 C.F.R. §60.107a(a)(2), the permittee shall install, operate, calibrate and maintain an instrument for continuously monitoring and recording the concentration by volume (dry basis) of H2S in the fuel gases before being burned in the flare. (i) The permittee shall install, operate and maintain each H2S monitor according to Performance Specification 7 of Appendix B to 40 C.F.R. Part 60. The span value for this instrument is 300 ppmv H2S. (ii) The permittee shall conduct performance evaluations for each H2S monitor according to the requirements of 40 C.F.R. §60.13(c) and Performance Specification 7 of appendix B to 40 C.F.R. Part 60. The permittee shall use Method 11, 15, or 15A of appendix A-5 to 40 C.F.R. Part 60 or Method 16 of appendix A-6 to 40 C.F.R. Part 60 for conducting the relative accuracy evaluations. The method ANSI/ASME PTC 19.10-1981, "Flue and Exhaust Gas Analyses," (incorporated by reference—see 40 C.F.R. §60.17) is an acceptable alternative to EPA Method 15A of appendix A-5 to 40 C.F.R. Part 60. (iii) The permittee shall comply with the applicable quality assurance procedures in appendix F to 40 C.F.R. Part 60 for each H2S monitor. (iv) Flares having a common source of fuel gas may be monitored at only one location, if monitoring at this location accurately represents the concentration of H2S in the fuel gas being burned in the respective flares. (3) The permittee is not required to comply with 40 C.F.R. §60.107a(a)(2) for fuel gas streams that are exempt under 40 C.F.R. §60.103a(h) or, other flare that are inherently low in sulfur content. (4) If the composition of an exempt fuel gas stream changes, the permittee must follow the procedures in 40 C.F.R. §60.107a(b)(3).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(009)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]	Monitoring Requirements	(b) As per 40 C.F.R. §60.107a(e) - Sulfur monitoring for assessing root cause analysis threshold for affected flares. The permittee shall determine the total reduced sulfur concentration for each gas line directed to the flare in accordance with 40 C.F.R. §60.107a(e)(2). Different options may be elected for different gas lines. If a monitoring system is in place that is capable of complying with the requirements related to 40 C.F.R. §60.107a(e)(2), the permittee must comply with the requirements related to 40 C.F.R. §60.107a(e)(2) upon startup of the modified flare. If a monitoring system is not in place that is capable of complying with the requirements related to 40 C.F.R. §60.107a(e)(2), the owner or operator of a modified flare must comply with the requirements related to 40 C.F.R. §60.107a(e)(2) no later than November 11, 2015.	Facility policies, procedures, and operating practices are in place to ensure compliance. **Note: Permit language is incorrect. Monroe Energy is complying with sulfur monitoring requirements using a TRS monitor not H2S as allowed by §60.107a(e)(1) instead of §60.107a(e)(2)**	Intermittent

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 103 - Main Flare						
103 - Main Flare	(D)(103)(009)(d)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]	Monitoring Requirements	(d) 40 C.F.R. §60.107a(f) - Flow monitoring for flares. Except as provided in 40 C.F.R. §60.107a(f)(2), the permittee shall install, operate, calibrate and maintain, in accordance with the specifications in 40 C.F.R. §60.107a(f)(1), a CPMS to measure and record the flow rate of gas discharged to the flare. (1) The permittee shall install, calibrate, operate and maintain each flow monitor according to the manufacturer's procedures and specifications and the following requirements. (i) Locate the monitor in a position that provides a representative measurement of the total gas flow rate. (ii) Use a flow sensor with a measurement sensitivity of no more than 5 percent of the flow rate or 10 cubic feet per minute, whichever is greater. (iii) Use a flow monitor that is maintainable online, is able to continuously correct for temperature and pressure and is able to record flow in standard conditions (as defined in 40 C.F.R. §60.2) over one-minute averages. (iv) At least quarterly, perform a visual inspection of all components of the monitor for physical and operational integrity and all electrical connections for oxidation and galvanic corrosion if the flow monitor is not equipped with a redundant flow sensor. (v) Recalibrate the flow monitor in accordance with the manufacturer's procedures and specifications biennially (every two years) or at the frequency specified by the manufacturer. (2) Flares equipped with flare gas recovery systems designed, sized and operated to capture all flows except those resulting from startup, shutdown or malfunction are not required to install continuous flow monitors; provided, however, that for any such flare, the owner or operator shall comply with the monitoring alternative in 40 C.F.R. §60.107a(g).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(009)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]	Monitoring Requirements	(e) 40 C.F.R. §60.107a(i) - Excess emissions. For the purpose of reports required by 40 C.F.R. §60.7(c), periods of excess emissions for flares subject to the concentration requirement in 40 C.F.R. §60.103a(h) are defined as specified in 40 C.F.R. §60.107a(i)(2). Determine a rolling 3-hour or a rolling daily average as the arithmetic average of the applicable 1-hour averages (e.g., a rolling 3-hour average is the arithmetic average of three contiguous 1-hour averages).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(009)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.107a]	Monitoring Requirements	(f) 40 C.F.R. §60.107a(i)(2) - H2S concentration limits for flares: Each rolling 3-hour period during which the average concentration of H2S as measured by the H2S continuous monitoring system required under 40 C.F.R. §60.107a(a)(2) exceeds 162 ppmv (0.10 gr/dscf).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(010)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511] (a) The permittee shall maintain records of the following operating parameters for this source: (1) The amount and type of fuel gas consumed on a monthly basis. (2) The amount of process gas combusted on a monthly basis. (3) The H2S content of the fuel consumed and waste gas combusted. (4) The Btu content of the fuel combusted. (5) The presence of a flare pilot flame shall be continuously recorded using a thermocouple or other equivalent device approved by the Department. If the pilot flame is not present for any reason, the permittee shall keep records of the absence of the flame, including the reason, duration and any corrective action.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 103 - Main Flare						
103 - Main Flare	(D)(103)(012)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.108a]	Recordkeeping Requirements	The permittee shall maintain the following records: (1) A copy of the flare management plan. (2) For each fuel gas stream to which one of the exemptions listed in 40 C.F.R. §60.107a(a)(3) applies, records of the specific exemption determined to apply for each fuel stream. If the permittee applies for the exemption described in 40 C.F.R. §60.107a(a)(3)(iv), the permittee must keep a copy of the application as well as the letter from DEP granting approval of the application. (3) Records of discharges to an affected flare in excess of 500,000 scf above baseline in any 24-hour period as required by 40 C.F.R. §60.103a(c). (4) Records of the H2S and total sulfur analyses of each grab or integrated sample, the calculated daily total sulfur-to-H2S ratios, the calculated 10-day average total sulfur-to-H2S ratios and the 95-percent confidence intervals for each 10-day average total sulfur-to-H2S ratio.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(013)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.108a]	Reporting Requirements	As per 40 C.F.R. §60.108a(d), the permittee shall submit an excess emissions report semiannually for all periods of excess emissions according to the requirements of 40 C.F.R. §60.7(c) except that the report shall contain the information specified in 40 C.F.R. §60.108a(d)(1) through (7). (1) The date that the exceedance occurred; (2) An explanation of the exceedance; (3) Whether the exceedance was concurrent with a startup, shutdown, or malfunction of an affected facility or control system; and (4) A description of the action taken, if any. (5) The information described in 40 C.F.R. §60.108a(c)(6) for all discharges listed in 40 C.F.R. §60.108a(c)(6). (6) For any periods for which monitoring data are not available, any changes made in operation of the emission control system during the period of data unavailability which could affect the ability of the system to meet the applicable emission limit. Operations of the control system and affected facility during periods of data unavailability are to be compared with operation of the control system and affected facility before and following the period of data unavailability. (7) A written statement, signed by a responsible official, certifying the accuracy and completeness of the information contained in the report.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(014)	[25 Pa. Code §127.441]	Work Practice Requirements	The permittee shall operate and maintain the process gas flow meters in accordance with manufacturer's specifications.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(015)(a)	[25 Pa. Code §127.512]	Work Practice Requirements	(a) The flare shall be operated with a flame present at all times.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(015)(b)	[25 Pa. Code §127.512]	Work Practice Requirements	(b) The flare shall be used only with the net heating value of the gas being combusted at 300 Btu/scf, or greater (for steam assisted flares).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
103 - Main Flare	(D)(103)(015)(c)	[25 Pa. Code §127.512]	Work Practice Requirements	(c) The flare shall be designed for and operated with an exit velocity less than 60 ft/sec, except as provided in the following paragraphs: (1) Flares operated with an exit velocity greater than or equal to 60 ft/sec, but less than 400 ft/sec are allowed if the net heating value of the gas being combusted is greater than 1000 Btu/scf. (2) Flares operated with an exit velocity, as determined by the methods specified in 40 C.F.R. § 63.11(b)(7)(i), less the velocity Vmax, as determined by the method specified in 40 C.F.R. § 63.11(b)(7)(iii), and less than 400 ft/sec are allowed.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
				Section D. 103 - Main Flare		
				(A) Description of the water seal, including the operating range for the liquid level. (B) Designation of the monitoring option elected (flow and sulfur monitoring or pressure and water seal liquid level monitoring). (vii) For the flare gas recovery system: (A) A description of the flare gas recovery system, including number of compressors and capacity of each compressor. (B) A description of the monitoring parameters used to quantify the amount of flare gas recovered. (C) For systems with staged compressors, the maximum time period required to begin gas recovery with the secondary compressor(s), the monitoring parameters and procedures used to minimize the duration of releases during compressor staging and a justification for why the maximum time period cannot be further reduced. (4) An evaluation of the baseline flow to the flare. The baseline flow to the flare must be determined after implementing the minimization assessment in 40 C.F.R. §60.103a(a)(2). Baseline flows do not include pilot gas flow or purge gas flow (i.e., gas introduced after the flare's water seal) provided these gas flows remain reasonably constant (i.e., separate flow monitors for these streams are not required). Separate baseline flow rates may be established for different operating conditions provided that the management plan includes: (i) A primary baseline flow rate that will be used as the default baseline for all conditions except those specifically delineated in the plan; (ii) A description of each special condition for which an alternate baseline is established, including the rationale for each alternate baseline, the daily flow for each alternate baseline and the expected duration of the special conditions for each alternate baseline; and (iii) Procedures to minimize discharges to the affected flare during each special condition described in 40 C.F.R. §60.103a(a)(4)(ii), unless procedures are already developed for these cases under 40 C.F.R. §60.103a(a)(5) through (7), as applicable. (5) Procedures to minimize or eliminate discharges to the flare during the planned startup and shutdown of the refinery process units and ancillary equipment that are connected to the affected flare, together with a schedule for the prompt implementation of any procedures that cannot reasonably be implemented as of the date of the submission of the flare management plan. (6) Procedures to reduce flaring in cases of fuel gas imbalance (i.e., excess fuel gas for the refinery's energy needs), together with a schedule for the prompt implementation of any procedures that cannot reasonably be implemented as of the date of the submission of the flare management plan (7) For flare gas recovery systems, procedures to minimize the frequency and duration of outages of the flare gas recovery system and procedures to minimize the volume of gas flared during such outages, together with a schedule for the prompt implementation of any procedures that cannot reasonably be implemented as of the date of the submission of the flare management plan.		

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 103 - Main Flare						
103 - Main Flare	(D)(103)(016)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]	Work Practice Requirements	(e) Except as provided in paragraph (f) of this section, the permittee shall implement the corrective action(s) identified in the corrective action analysis conducted pursuant to paragraph (d) of this section in accordance with the applicable requirements in 40 C.F.R. §60.103a(e)(1) through (3). (1) All corrective action(s) must be implemented within 45 days of the discharge for which the root cause and corrective action analyses were required or as soon thereafter as practicable. If an owner or operator concludes that corrective action should not be conducted, the owner or operator shall record and explain the basis for that conclusion no later than 45 days following the discharge as specified in 40 C.F.R. §60.108a(c)(6)(ix). (2) For corrective actions that cannot be fully implemented within 45 days following the discharge for which the root cause and corrective action analyses were required, the owner or operator shall develop an implementation schedule to complete the corrective action(s) as soon as practicable. (3) No later than 45 days following the discharge for which a root cause and corrective action analyses were required, the permittee shall record the corrective action(s) completed to date, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates as specified in 40 C.F.R. §60.108a(c)(6)(x).	Root cause analyses are conducted according to the procedure specified within the written and submitted flare management plan.	Continuous
103 - Main Flare	(D)(103)(016)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.103a]	Work Practice Requirements	(f) Modified flares shall comply with the requirements of 40 C.F.R. §60.103a(c) through (e) by November 11, 2015. This modified flare, accepted applicability of subpart J under a federal consent decree, shall comply with the subpart J requirements as specified in the consent decree, but shall comply with the requirements of 40 C.F.R. §60.103a(h) and the requirements of 40 C.F.R. §60.107a(a)(2) by no later than November 11, 2015.	Root cause analyses are conducted according to the procedure specified within the written and submitted flare management plan.	Continuous
103 - Main Flare	(D)(103)(017)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1566]	Work Practice Requirements	The flare pilot light must be present at all times and the flare must be operating at all times that emissions may be vented to it.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
103 - Main Flare	(D)(103)(018)	[25 Pa. Code §127.441]	Additional Requirements	The following sources shall be controlled by the Main Flare (Source ID 103) and backed up by the Back-Up Flare (Source ID 122): Source ID Source Name 114 - RACT Fugitive Equipment (exept fugitive emissions not required to be captured for control) 115 - NSPS Fugitive Equipment (exept fugitive emissions not required to be captured for control) 118 - Railcar Loading LPG & Butane 128 - MACT Fugitive Equipment (exept fugitive emissions not required to be captured for control) 210 - Miscellaneous Process Vents 215 - NSPS New Fugitive Equipment (exept fugitive emissions not required to be captured for control) 501 - Spheroid 501 502 - Spheroid 502 513 - Spheroid 513 T006 - MACT Group 1 Tanks routed to Closed Vent System	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 105 - Marine Vessel Loading						
105 - Marine Vessel Loading	(D)(105)(001)	[25 Pa. Code §127.441]	Emission Restriction	The permittee shall comply with all applicable requirements specified in 40 C.F.R. Part 63 Subpart Y - National Emissions Standards for Marine Tank Vessel Loading Operations, if the following emission limits are exceeded: (a) An individual HAP emissions from this source shall not be equal to or greater than 10 tons per year annually, and/or (b) The combined HAP emissions from this source shall not be equal to or greater than 25 tons per year annually.	The facility is not subject to 40 CFR 63, Subpart Y.	Continuous
105 - Marine Vessel Loading	(D)(105)(002)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.560]	Throughput Restriction	The marine vessel loading shall be limited to less than 10 million barrels gasoline, or 200 million barrels crude oil per year on a 24-month annual average basis. In the event that the loading throughput increases above the 10-million or 200 million threshold, the permittee shall comply with the applicable requirements of 40 C.F.R. 63 Subpart Y no later than 3 years after exceeding the thresholds.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(003)(a)	[25 Pa. Code §129.81]	Control Device Efficiencies Restriction	The following shall exist while loading of all petroleum distillates, which is a liquid with RVP greater than or equal to 4psi at standard temperature and pressure, into an organic liquid cargo vessel: (a) The VOC vapors displaced by the loading operation are processed through a vapor recovery device operated to reduce the VOCs by at least 90% by weight.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(003)(b)(1)	[25 Pa. Code §129.81]	Control Device Efficiencies Restriction	(b) The vapor collection and transport system employed to carry VOCs to the vapor control system is maintained and operated so that it prevents the following: (1) A reading equal to or greater than 100% of the lower explosive limit (LEL), measured as propane, at 1 inch (2.5 centimeters) from all points on the perimeter of a potential leak source when measured by the method referenced in 25 Pa. Code Section 139.14 (relating to emissions of VOCs) during loading operations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(003)(b)(2)	[25 Pa. Code §129.81]	Control Device Efficiencies Restriction	(2) Avoidable liquid leaks during loading operations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(003)(b)(3)	[25 Pa. Code §129.81]	Control Device Efficiencies Restriction	(3) Visually or audibly detectable leaks in the organic liquid cargo vessel's cargo tanks, hatch covers, storage tanks pressure/vacuum relief valves and associated vapor and liquid lines during loading.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)(003)(c)	[25 Pa. Code §129.81]	Control Device Efficiencies Restriction	(c) The pressure and vacuum relief valves on the liquid cargo vessel are set to release at no less than 0.7 psig of pressure or 0.3 psig of vacuum or the highest allowable pressure and vacuum as specified in State or local fire codes, the National Fire Prevention Association guidelines or other National consensus standards acceptable to the Department.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
105 - Marine Vessel Loading	(D)(105)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
105 - Marine Vessel Loading	(D)(105)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
105 - Marine Vessel Loading	(D)(105)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
105 - Marine Vessel Loading	(D)(105)(004)	[25 Pa. Code §127.441]	Reporting Requirements	The permittee shall notify the Department, within 10 days, the throughput and/or emission limit exceedance specified in Emission Restrictions of this section.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 106 - Process Drains & H2O Sep.						
106 - Process Drains & H2O Sep.	(D)(106)(001)	[25 Pa. Code §127.441]	Control Device Efficiencies Restriction	The carbon canisters shall be replaced with fresh carbon when the carbon canister exhaust VOC concentrations monitored reach 500ppm above background levels.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(002)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.696]	Testing Requirements	Whenever sources subject to 40 C.F.R. 60 Subpart QQQ that have ceased to treat refinery wastewater for a period of 1 year or more are placed back into service, the owner or operator shall determine compliance with the standards in 60.693-2(a) as follows: (1) The maximum gap widths and maximum gap areas between the primary seal and the separator wall and between the secondary seal and the separator wall shall be determined individually within 60 calendar days of the initial installation of the floating roof and introduction of refinery wastewater or 60 calendar days after the equipment is placed back into service using the following procedure when the separator is filled to the design operating level and when the roof is floating off the roof supports. (i) Measure seal gaps around the entire perimeter of the separator in each place where a 0.32 cm (0.125 in.) diameter uniform probe passes freely (without forcing or binding against seal) between the seal and the wall of the separator and measure the gap width and perimetrical distance of each such location. (ii) The total surface area of each gap described in (d)(1)(i) of this section shall be determined by using probes of various widths to measure accurately the actual distance from the wall to the seal and multiplying each such width by its respective perimetrical distance. (iii) Add the gap surface area of each gap location for the primary seal and the secondary seal individually, divide the sum for each seal by the nominal perimeter of the separator basin and compare each to the maximum gap area as specified in 60.693-2.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
106 - Process Drains & H2O Sep.	(D)(106)(002)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.696]	Testing Requirements	(2) The gap widths and total gap area shall be determined using the procedure in paragraph (d)(1) of this section according to the following frequency: (i) For primary seals, once every 5 years. (ii) For secondary seals, once every year.	Facility policies, procedures, and operating practices are in place to ensure compliance.	NA
106 - Process Drains & H2O Sep.	(D)(106)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.695]	Monitoring Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] The concentration level of the organic compounds in the exhaust vent stream from the carbon adsorption system shall be monitored on a regular schedule, and the existing carbon shall be replaced with fresh carbon immediately (within 24 hours) when carbon breakthrough is indicated. The device shall be monitored on a daily basis or at intervals no greater than 20% of the design carbon replacement interval, whichever is greater. As an alternative to conducting this monitoring, the permittee may replace the carbon in the carbon adsorption system with fresh carbon at a regular predetermined time interval that is less than the carbon replacement interval that is determined by the maximum design flow rate and either the organic concentration or the benzene concentration in the gas stream vented to the carbon adsorption system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(004)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall maintain records of the carbon canister exhaust VOC concentrations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(a) All records shall be retained for a period of five (5) years after being recorded unless otherwise noted.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 106 - Process Drains & H2O Sep.						
				device and source operating schedule. This design analysis documentation shall be maintained for the life of the control device. (iii) Periods when the closed vent systems and control devices required in 40 C.F.R. § 60.692 are not operated as designed, including periods when a flare pilot does not have a flame shall be recorded and kept for 5 years after the information is recorded. (iv) Dates of startup and shutdown of the closed vent system and control devices required in 40 C.F.R. § 60.692 shall be recorded and kept for 5 years after the information is recorded. (v) The dates of each measurement of detectable emissions required in 40 C.F.R. §§ 60.692, 60.693, or 60.692-5 shall be recorded and kept for five (5) years after the information is recorded. (vi) The background level measured during each detectable emissions measurement shall be recorded and kept for five (5) years after the information is recorded. (vii) The maximum instrument reading measured during each detectable emission measurement shall be recorded and kept for five (5) years after the information is recorded. (viii) The permittee using a carbon adsorber shall maintain continuous records of the VOC concentration level or reading of organics of the control device outlet gas stream or inlet and outlet gas stream and records of all 3-hour periods of operation during which the average VOC concentration level or reading of organics in the exhaust gases, or inlet and outlet gas stream, is more than 20 percent greater than the design exhaust gas concentration level, and shall keep such records for five (5) years after the information is recorded. The records shall be maintained consistent with the monitoring requirement in Condition #002 for Source ID 106 in this Section. (ix) The permittee shall maintain records of the dates and times when the control device is monitored, when breakthrough is measured, and shall record the date and time that the existing carbon in the control device is replaced with fresh carbon.		
106 - Process Drains & H2O Sep.	(D)(106)(005)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(g) If the permittee elects to install a tightly sealed cap or plug over a drain that is out of active service, the permittee shall keep for the life of a facility in a readily accessible location, plans or specifications which indicate the location of such drains.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(h) For storm water sewer systems subject to the exclusion in 40 C.F.R. § 60.692-1(d)(1), a permittee shall keep for the life of the facility in a readily accessible location, plans or specifications which demonstrate that no wastewater from any process units or equipment is directly discharged to the storm water sewer system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(i) For ancillary equipment subject to the exclusion in 40 C.F.R. § 60.692-1(d)(2), the permittee shall keep for the life of a facility in a readily accessible location, plans or specifications which demonstrate that the ancillary equipment does not come in contact with or store oily wastewater.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(005)(j)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.697]	Recordkeeping Requirements	(j) For non-contact cooling water systems subject to the exclusion in 40 C.F.R. § 60.692-1(d)(3), the permittee shall keep for the life of the facility in a readily accessible location, plans or specifications which demonstrate that the cooling water does not contact hydrocarbons or oily wastewater and is not recirculated through a cooling tower.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 106 - Process Drains & H2O Sep.						
106 - Process Drains & H2O Sep.	(D)(106)(008)(c)	[25 Pa. Code §127.441]	Work Practice Requirements	(c) The permittee shall adhere to the manufacturer's recommended practices to ensure the process vapors transferred to the activated carbon canisters meet the minimum control efficiency.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(009)(a)	[25 Pa. Code §129.55]	Work Practice Requirements	This condition applies only to the wastewater separator located in the Advanced Wastewater Treatment Plant (AWWTP). No person may permit the use of a compartment of a single or multiple compartment volatile organic compound wastewater separator which compartment receives effluent water containing 200 gallons a day or more of any volatile organic compound from equipment processing, refining, treating, storing, or handling volatile organic compounds unless the compartment is equipped with one of the following vapor loss control devices--properly installed, in good working order, and in operation--as follows: (a) A container having all openings sealed and totally enclosing the liquid contents. Gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(009)(b)	[25 Pa. Code §129.55]	Work Practice Requirements	(b) A container equipped with a floating roof--consisting of a pontoon-type roof, double-deck-type roof, or internal floating cover--which will rest on the surface of the contents and be equipped with closure seal or seals to close the space between the roof edge and container wall. Gauging and sampling devices shall be gas tight except when gauging or sampling is taking place.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(a)(1)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.] (a) This source shall be equipped and operated with a fixed roof, which meets the following specifications, except as provided in 40 C.F.R. § 60.692-2(d) or in 40 C.F.R. § 60.693-2. (1) The fixed roof shall be installed to completely cover the separator tank, slop oil tank, storage vessel, or other auxiliary equipment with no separation between the roof and the wall.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(a)(2)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(2) The vapor space under a fixed roof shall not be purged unless the vapor is directed to a control device.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(a)(3)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(3) If the roof has access doors or openings, such doors or openings shall be gasketed, latched, and kept closed at all times during operation of the separator system, except during inspection and maintenance.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(a)(4)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(4) Roof seals, access doors, and other openings shall be checked by visual inspection initially and semiannually thereafter to ensure that no cracks or gaps occur between the roof and wall and that access doors and other openings are closed and gasketed properly.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(010)(a)(5)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-3]	Work Practice Requirements	(5) When a broken seal or gasket or other problem is identified, first efforts at repair shall be made as soon as practicable, but not later than fifteen (15) calendar days after it is identified, except as provided in 40 C.F.R. § 60.692-6.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 106 - Process Drains & H2O Sep.						
106 - Process Drains & H2O Sep.	(D)(106)(012)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-6]	Work Practice Requirements	(a) Delay of repair of facilities that are subject to the provisions of 40 C.F.R. 60 Subpart QQQ will be allowed if the repair is technically impossible without a complete or partial refinery or process unit shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(012)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.692-6]	Work Practice Requirements	(b) Repair of such equipment shall occur before the end of the next refinery or process unit shutdown.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
106 - Process Drains & H2O Sep.	(D)(106)(013)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.693-2]	Work Practice Requirements	(a) Floating roof (1) Each floating roof shall be equipped with a closure device between the wall of the separator and the roof edge. The closure device is to consist of a primary seal and a secondary seal. (i) The primary seal shall be a liquid-mounted seal. (A) A liquid-mounted seal means a foam- or liquid-filled seal mounted in contact with the liquid between the wall of the separator and the floating roof. (B) The gap width between the primary seal and the separator wall shall not exceed 3.8 cm (1.5 in.) at any point. (C) The total gap area between the primary seal and the separator wall shall not exceed 67 cm2/m (3.2 in.2/ft) of separator wall perimeter. (ii) The secondary seal shall be above the primary seal and cover the annular space between the floating roof and the wall of the separator. (A) The gap width between the secondary seal and the separator wall shall not exceed 1.3 cm (0.5 in.) at any point. (B) The total gap area between the secondary seal and the separator wall shall not exceed 6.7 cm2/m (0.32 in.2/ft) of separator wall perimeter. (iii) The maximum gap width and total gap area shall be determined by the methods and procedures specified in 60.696(d). (A) Measurement of primary seal gaps shall be performed within 60 calendar days after initial installation of the floating roof and introduction of refinery wastewater and once every 5 years thereafter. (B) Measurement of secondary seal gaps shall be performed within 60 calendar days of initial introduction of refinery wastewater and once every year thereafter. (iv) The owner or operator shall make necessary repairs within 30 calendar days of identification of seals not meeting the requirements listed in paragraphs (a)(1) (i) and (ii) of this section. (2) Except as provided in paragraph (a)(4) of this section, each opening in the roof shall be equipped with a gasketed cover, seal, or lid, which shall be maintained in a closed position at all times, except during inspection and maintenance. (3) The roof shall be floating on the liquid (i.e., off the roof supports) at all times except during abnormal conditions (i.e., low flow rate). (4) The floating roof may be equipped with one or more emergency roof drains for removal of stormwater. Each emergency roof drain shall be fitted with a slotted membrane fabric cover that covers at least 90 percent of the drain opening area or a flexible fabric sleeve seal. (5) (i) Access doors and other openings shall be visually inspected initially and semiannually thereafter to ensure that there is a tight fit around the edges and to identify other problems that could result in VOC emissions. (ii) When a broken seal or gasket on an access door or other opening is identified, it shall be repaired as soon as practicable, but not later than 30 calendar days after it is identified, except as provided in 60.692-6.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 111 - Cooling Towers						
111 - Cooling Towers	(D)(111)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
111 - Cooling Towers	(D)(111)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
111 - Cooling Towers	(D)(111)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
111 - Cooling Towers	(D)(111)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
111 - Cooling Towers	(D)(111)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
111 - Cooling Towers	(D)(111)(001)	[25 Pa. Code §127.512]	Work Practice Requirements	The permittee shall not use chromium based water treatment chemicals in this source.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
111 - Cooling Towers	(D)(111)(002)	[25 Pa. Code §127.441]	Additional Requirements	Additional requirements for the cooling towers are specified in the conditions for Source ID 700 - Heat Exchange Systems.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 113 - LPG Recovery Unit						
113 - LPG Recovery Unit	(D)(113)(001)	[25 Pa. Code §127.441]	Emission Restriction	VOC emissions from this source shall not exceed 4.6 tons in any consecutive 12 month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
113 - LPG Recovery Unit	(D)(113)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
113 - LPG Recovery Unit	(D)(113)(002)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor VOC emissions from this source according to the applicable LDAR schedule for NSPS sources, as indicated in Source #115, Condition #002.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
113 - LPG Recovery Unit	(D)(113)(003)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall record the monitored VOC emissions from this source according to the applicable LDAR schedule for NSPS sources, as indicated in Source #115.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
113 - LPG Recovery Unit	(D)(113)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
113 - LPG Recovery Unit	(D)(113)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
113 - LPG Recovery Unit	(D)(113)(004)	[25 Pa. Code §127.441]	Additional Requirements	Additional requirements for this source are found in Source ID #115.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 114 - RACT Fugitive Equipment						
114 - RACT Fugitive Equipment	(D)(114)(002)(b)	[25 Pa. Code §129.58]	Recordkeeping Requirements	b. Copies of the monitoring log shall be retained by the permittee for five (5) years after the date on which the record was made or the report was prepared.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(002)(c)	[25 Pa. Code §129.58]	Recordkeeping Requirements	c. Copies of the monitoring log shall immediately be made available to the Department, upon verbal or written request, at any reasonable time.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(003)(a)	[25 Pa. Code §129.58]	Reporting Requirements	Upon completion of each yearly and quarterly monitoring procedure, the permittee shall: (a) Submit a report to the Department by the last business day of January, April, July, and October that lists all leaking refinery components that were located during the previous calendar quarter but not repaired within fifteen (15) days, all leaking refinery components awaiting unit turnaround, the total number of refinery components inspected and the total number of refinery components found leaking.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(003)(b)	[25 Pa. Code §129.58]	Reporting Requirements	(b) Submit a signed statement with the report attesting to the fact that, with the exception of those leaking refinery components listed in subparagraph (a) above, monitoring and repairs were performed as stipulated in the monitoring program.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(004)	[25 Pa. Code §129.58]	Reporting Requirements	a. The permittee may submit to the Department a list of refinery components the inspection of which would involve a significant element of danger. The Department may exempt the refinery components on this list from the requirements of this section if the permittee can demonstrate to the satisfaction of the Department that a significant element of danger exists which cannot be reasonably eliminated and that these exemptions will not result in a significant reduction in the effectiveness in the control of VOC emissions. Any component so exempted by the Department prior to, or subsequent to, issuance of this permit is exempt from the provisions of 25 Pa. Code § 128.58.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(005)(a)	[25 Pa. Code §129.58]	Work Practice Requirements	a. Pipeline valves and pressure relief valves in gaseous VOC service shall be marked in some manner that will be readily obvious to both refinery personnel performing monitoring and the Department.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(005)(b)	[25 Pa. Code §129.58]	Work Practice Requirements	b. Except for safety pressure relief valves and fittings on all valves one (1) inch or smaller, the permittee shall not install or operate a valve at the end of a pipe or line containing VOCs unless the pipe or line is sealed with a second valve, a blind flange, a plug or a cap. The sealing device may be removed only when a sample is being taken or during maintenance operations.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
114 - RACT Fugitive Equipment	(D)(114)(006)	[25 Pa. Code §127.512]	Additional Requirements	The following components at the facility are subject to the leak detection and repair (LDAR) requirements applicable to fugitive sources at petroleum refineries, specified in 25 Pa. Code § 129.58. Certain of these components may also be subject to federal LDAR requirements established under 40 C.F.R. 60, Subpart VV (through GGG), or 40 C.F.R. 63, Subpart CC, as appropriate. In accordance with an alternative monitoring plan submitted by the permittee, and approved by the Department on August 24, 1998, a source that is subject to both the provisions of 25 Pa. Code § 129.58 and either federal LDAR requirement, satisfies the requirements of 25 Pa. Code § 129.58 by complying with the provisions of the applicable federal LDAR standard. Therefore, each component at the facility that is subject to an LDAR requirement under state or federal regulations complies with applicable LDAR standards by implementing an LDAR program consistent with the single designated regulatory program. The fugitive monitoring plan developed and maintained on-site by the permittee identifies which portions of each unit are subject to the requirements for fugitive Sources IDs #114, 115, 128 or 215. This section of the permit identifies applicable standards for Source ID #114, which satisfies LDAR obligations through compliance with the provisions of 25 Pa. Code § 129.58. Alky Unit Amine Unit Gasoline Blending Boiler House Butane Loading Rack	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 115 - NSPS Fugitive Equipment						
115 - NSPS Fugitive Equipment	(D)(115)(001)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Emission Restriction	The permittee shall comply with the requirements of 40 C.F.R. §§60.482-1 to 60.482-10 at all times.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(002)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Control Device Efficiencies Restriction	As per 40 C.F.R. §§60.592 and 60.482-10, closed vent systems shall use flares that comply with the requirements of 40 C.F.R. §60.18.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(003)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Testing Requirements	The permittee shall comply with the provisions of 40 C.F.R. §60.485 except as provided in 40 C.F.R. §60.593. (a) In conducting the performance tests required in 40 C.F.R. §60.8, the permittee shall use as reference methods and procedures for the test methods in appendix A of 40 C.F.R. Part 60 or other methods and procedures as specified in this section, except as provided in 40 C.F.R. §60.8(b). (b) The permittee shall determine compliance with the standards in 40 C.F.R. §§60.482-1 through 60.482-10, 60.483, and 60.484 as follows: (1) Method 21 shall be used to determine the presence of leaking sources. The instrument shall be calibrated before use each day of its use by the procedures specified in Method 21. The following calibration gases shall be used: (i) Zero air (less than 10 ppm of hydrocarbon in air); and (ii) A mixture of methane or n-hexane and air at a concentration of about, but less than, 10,000 ppm methane or n-hexane. (c) The permittee shall determine compliance with the no detectable emission standards in 40 C.F.R. §§60.482-2(e), 60.482-3(i), 60.482-4, 60.482-7(f), and 60.482-10(e) as follows: (1) The requirements of paragraph (b) shall apply. (2) Method 21 shall be used to determine the background level. All potential leak interfaces shall be traversed as close to the interface as possible. The arithmetic difference between the maximum concentration indicated by the instrument and the background level is compared with 500 ppm for determining compliance. (d) The permittee shall test each piece of equipment unless he demonstrates that a process unit is not in VOC service, i.e., that the VOC content would never be reasonably expected to exceed 10 percent by weight. For purposes of this demonstration, the following methods and procedures shall be used: (1) Procedures that conform to the general methods in ASTM E260-73, 91, or 96, E168-67, 77, or 92, E169-63, 77, or 93 (incorporated by reference—see 40 C.F.R. §60.17) shall be used to determine the percent VOC content in the process fluid that is contained in or contacts a piece of equipment. (2) Organic compounds that are considered by the Administrator to have negligible photochemical reactivity may be excluded from the total quantity of organic compounds in determining the VOC content of the process fluid. (3) Engineering judgment may be used to estimate the VOC content, if a piece of equipment had not been shown previously to be in service. If the Administrator disagrees with the judgment, paragraphs (d) (1) and (2) above shall be used to resolve the disagreement.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 115 - NSPS Fugitive Equipment						
115 - NSPS Fugitive Equipment	(D)(115)(004)(B)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Monitoring Requirements	B. 40 C.F.R. §60.842-7 - Standards: Valves in gas/vapor service and in light liquid service. (a)(1) Each valve shall be monitored monthly to detect leaks by the methods specified in 40 C.F.R §60.485(b) and shall comply with 40 C.F.R. §60.482-7(b) through (e), except as provided in 40 C.F.R. §60.482-7(f), §60.482-1(c) and (f). (2) A valve that begins operation in gas/vapor service or light liquid service after the initial startup date for the process unit must be monitored according to 40 C.F.R. §60.482-7(a)(2)(i), except for a valve that replaces a leaking valve and except as provided in 40 C.F.R. §§60.482-7(f), (g), and (h), 60.482-1(c). (i) Monitor the valve as in 40 C.F.R. §60.482-7(a)(1). The valve must be monitored for the first time within 30 days after the end of its startup period to ensure proper installation. (b) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. (c)(1)(i) Any valve for which a leak is not detected for 2 successive months may be monitored the first month of every quarter, beginning with the next quarter, until a leak is detected. (ii) As an alternative to monitoring all of the valves in the first month of a quarter, the permittee may elect to subdivide the process unit into 2 or 3 subgroups of valves and monitor each subgroup in a different month during the quarter, provided each subgroup is monitored every 3 months. The permittee must keep records of the valves assigned to each subgroup. (2) If a leak is detected, the valve shall be monitored monthly until a leak is not detected for 2 successive months. (d) Exemptions to this section are specified in 40 C.F.R. §60.482-7(f) through (h).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(004)(C)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Monitoring Requirements	C. 40 C.F.R. §60.842-10 - Standards: Closed vent systems and control devices. (a) The permittee shall monitor the flares to ensure that they are operated and maintained in conformance with their designs. (b) Except as provided in 40 C.F.R. §60.482-10(i) through (k), each closed vent system shall be inspected according to the procedures and schedule specified in 40 C.F.R. §60.482-10(b)(1) and (2). (1) If the vapor collection system or closed vent system is constructed of hard-piping, the permittee shall comply with the requirements specified in 40 C.F.R. §60.482-10(b)(1)(i) and (b)(1)(ii): (i) Conduct an initial inspection according to the procedures in 40 C.F.R. §60.485(b); and (ii) Conduct annual visual inspections for visible, audible, or olfactory indications of leaks. (2) If the vapor collection system or closed vent system is constructed of ductwork, the permittee shall: (i) Conduct an initial inspection according to the procedures in 40 C.F.R. §60.485(b); and (ii) Conduct annual inspections according to the procedures in 40 C.F.R. §60.485(b).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(005)(A)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	A. 40 C.F.R. §60.482-10 - Standards: Closed vent systems and control devices. (a) The permittee shall record the information specified in 40 C.F.R. §60.482-10(a)(1) through (l)(5). (1) Identification of all parts of the closed vent system that are designated as unsafe to inspect, an explanation of why the equipment is unsafe to inspect, and the plan for inspecting the equipment. (2) Identification of all parts of the closed vent system that are designated as difficult to inspect, an explanation of why the equipment is difficult to inspect, and the plan for inspecting the equipment. (3) For each inspection during which a leak is detected, a record of the information specified in 40 C.F.R. §60.486(c). (4) For each inspection conducted in accordance with 40 C.F.R. §60.485(b) during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected. (5) For each visual inspection conducted in accordance with 40 C.F.R. §60.482-10(f)(1)(ii) during which no leaks are detected, a record that the inspection was performed, the date of the inspection, and a statement that no leaks were detected.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 115 - NSPS Fugitive Equipment						
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(e) The following information pertaining to all equipment subject to the requirements in 40 C.F.R. §§60.482-1 to 60.482-10 shall be recorded in a log that is kept in a readily accessible location: (1) A list of identification numbers for equipment subject to the requirements of this subpart. (2)(i) A list of identification numbers for equipment that are designated for no detectable emissions under the provisions of 40 C.F.R. §§60.482-2(e), 60.482-3(i) and 60.482-7(f). (ii) The designation of equipment as subject to the requirements of 40 C.F.R. §60.482-2(e), §60.482-3(i), or §60.482-7(f) shall be signed by the permittee. Alternatively, the permittee may establish a mechanism with their permitting authority that satisfies this requirement. (3) A list of equipment identification numbers for pressure relief devices required to comply with 40 C.F.R. §60.482-4. (4)(i) The dates of each compliance test as required in 40 C.F.R. §§60.482-2(e), 60.482-3(i), 60.482-4, and 60.482-7(f). (ii) The background level measured during each compliance test. (iii) The maximum instrument reading measured at the equipment during each compliance test. (5) A list of identification numbers for equipment in vacuum service. (6) A list of identification numbers for equipment that the permittee designates as operating in VOC service less than 300 hr/yr in accordance with 40 C.F.R. §60.482-1(e), a description of the conditions under which the equipment is in VOC service, and rationale supporting the designation that it is in VOC service less than 300 hr/yr.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(f) The following information pertaining to all valves subject to the requirements of 40 C.F.R. §60.482-7(g) and (h) and to all pumps subject to the requirements of 40 C.F.R. §60.482-2(g) shall be recorded in a log that is kept in a readily accessible location: (1) A list of identification numbers for valves and pumps that are designated as unsafe-to-monitor, an explanation for each valve or pump stating why the valve or pump is unsafe-to-monitor, and the plan for monitoring each valve or pump. (2) A list of identification numbers for valves that are designated as difficult-to-monitor, an explanation for each valve stating why the valve is difficult-to-monitor, and the schedule for monitoring each valve.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(g) Not applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(h)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(h) The following information shall be recorded in a log that is kept in a readily accessible location: (1) Design criterion required in 40 C.F.R. §§.60.482-2(d)(5) and 60.482-3(e)(2) and explanation of the design criterion; and (2) Any changes to this criterion and the reasons for the changes.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(i)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(i) The following information shall be recorded in a log that is kept in a readily accessible location for use in determining exemptions as provided in 40 C.F.R. §60.480(d): (1) An analysis demonstrating the design capacity of the affected facility, (2) A statement listing the feed or raw materials and products from the affected facilities and an analysis demonstrating whether these chemicals are heavy liquids or beverage alcohol, and (3) An analysis demonstrating that equipment is not in VOC service.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(005)(B)(j)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Recordkeeping Requirements	(j) Information and data used to demonstrate that a piece of equipment is not in VOC service shall be recorded in a log that is kept in a readily accessible location.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 115 - NSPS Fugitive Equipment						
115 - NSPS Fugitive Equipment	(D)(115)(006)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Reporting Requirements	(f) The requirements of paragraphs (a) through (c) above remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected sources within the State will be relieved of the obligation to comply with the requirements of paragraphs (a) through (c) above, provided that they comply with the requirements established by the State.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(007)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	A. 40 C.F.R. §60.482-2 - Standards: Pumps in light liquid service. As per 40 C.F.R. §60.482(c)(1), when a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 C.F.R §60.482-9. (2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. First attempts at repair include, but are not limited to, the practices described in 40 C.F.R. §60.482-3(c)(2)(i) and (ii), where practicable. (i) Tightening the packing gland nuts; (ii) Ensuring that the seal flush is operating at design pressure and temperature.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(007)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	B. 40 C.F.R. §60.482-3 - Standards: Compressors. (a) Each compressor shall be equipped with a seal system that includes a barrier fluid system and that prevents leakage of VOC to the atmosphere, except as provided in 40 C.F.R. §§60.482-1(c) and 60.482-3(h), (i), and (j). (b) Each compressor seal system as required in 40 C.F.R. §60.482-3(a) shall be: (1) Operated with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure; or (2) Equipped with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed vent system to a control device that complies with the requirements of 40 C.F.R. §60.482-10; or (3) Equipped with a system that purges the barrier fluid into a process stream with zero VOC emissions to the atmosphere. (c) The barrier fluid system shall be in heavy liquid service or shall not be in VOC service. (d) Each barrier fluid system as described in 40 C.F.R. §60.482-3(a) shall be equipped with a sensor that will detect failure of the seal system, barrier fluid system, or both. (e)(1) Each sensor as required in 40 C.F.R. §60.482-3(d) shall be checked daily or shall be equipped with an audible alarm. (2) The permittee shall determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. (f) If the sensor indicates failure of the seal system, the barrier system, or both based on the criterion determined under 40 C.F.R. §60.482-3(e)(2), a leak is detected. (g)(1) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 C.F.R. §60.482-9. (2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. (h) Exemptions to this section are specified in 40 C.F.R. §60.482-3(h) through (j).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 115 - NSPS Fugitive Equipment						
115 - NSPS Fugitive Equipment	(D)(115)(007)(e)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	E. 40 C.F.R. §60.842-6 - Standards: Open-ended valves or lines. (a)(1) Each open-ended valve or line shall be equipped with a cap, blind flange, plug, or a second valve, except as provided in 40 C.F.R. §60.482-1(c) and §60.842-6(d) and (e). (2) The cap, blind flange, plug, or second valve shall seal the open end at all times except during operations requiring process fluid flow through the open-ended valve or line. (b) Each open-ended valve or line equipped with a second valve shall be operated in a manner such that the valve on the process fluid end is closed before the second valve is closed. (c) When a double block-and-bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with 40 C.F.R. §60.842-6(a) at all other times. (d) Exemptions to this section are specified in 40 C.F.R. §60.482-6(d) and (e).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent
115 - NSPS Fugitive Equipment	(D)(115)(007)(f)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	F. 40 C.F.R. §60.482-7 - Standards: Valves in gas/vapor service and in light liquid service. (a)(1) When a leak is detected, it shall be repaired as soon as practicable, but no later than 15 calendar days after the leak is detected, except as provided in 40 C.F.R. §60.482-9. (2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. (b) First attempts at repair include, but are not limited to, the following best practices where practicable: (1) Tightening of bonnet bolts; (2) Replacement of bonnet bolts; (3) Tightening of packing gland nuts; (4) Injection of lubricant into lubricated packing	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
115 - NSPS Fugitive Equipment	(D)(115)(007)(g)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.592]	Work Practice Requirements	G. 40 C.F.R. §60.482-8 - Standards: Pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors. (a) If evidence of a potential leak is found by visual, audible, olfactory, or any other detection method at pumps and valves in heavy liquid service, pressure relief devices in light liquid or heavy liquid service, and connectors, the permittee shall follow either one of the following procedures: (1) The permittee shall monitor the equipment within 5 days by the method specified in 40 C.F.R. §60.485(b) and shall comply with the requirements of 40 C.F.R. §60.482-8(b) through (d). (2) The permittee shall eliminate the visual, audible, olfactory, or other indication of a potential leak within 5 calendar days of detection. (b) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. (c)(1) When a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 C.F.R. §60.482-9. (2) The first attempt at repair shall be made no later than 5 calendar days after each leak is detected. (d) First attempts at repair include, but are not limited to, the best practices described under 40 C.F.R. §§60.482-2(c)(2) and 60.482-7(e).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 115 - NSPS Fugitive Equipment						
115 - NSPS Fugitive Equipment	(D)(115)(008)	[25 Pa. Code §127.512]	Additional Requirements	The following specific process at the facility are subject to the leak detection and repair (LDAR) requirements specified in 40 C.F.R. 60, Subpart VV. Certain of these components may also be subject to 25 Pa. Code §129.58 and/or 40 C.F.R. 63, Subpart CC, as appropriate. In accordance with an alternative monitoring plan submitted by the permittee, and approved by the Department on August 24, 1998, a source that is subject to both the provisions of 25 Pa. Code §129.58 and 40 C.F.R. 60, Subpart GGG, satisfies the requirements of 25 Pa. Code § 129.58 by complying with the provisions of 40 C.F.R. 60, Subpart VV. Therefore, each component at the facility that is subject to an LDAR requirement under state or federal regulations complies with applicable LDAR standards by implementing an LDAR program consistent with the single, most stringent, designated regulatory program. The fugitive monitoring plan developed and maintained on-site by the permittee identifies which portions of each unit are subject to fugitive Sources IDs #114, 115, 128, or 215. This section of the permit identifies applicable standards for Source ID #115, which satisfies LDAR obligations through compliance with the provisions of 40 C.F.R. 60, Subpart VV. Alky Unit Diesel Hydrotreating Unit Kerosene Hydrotreating Unit Propane Railcar Loading Propane Storage FCC Wet Gas Compressor Propane Recovery Unit (Source ID 113)	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(009)(a)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.590]	Additional Requirements	(a) The group of all the equipment (defined in 40 C.F.R. §60.591) within a process unit is an affected facility.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(009)(b)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.590]	Additional Requirements	(b) Any affected facility under paragraph (a) of this section that commences construction or modification after January 4, 1983, is subject to the requirements of this subpart.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(009)(c)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.590]	Additional Requirements	(c) Addition or replacement of equipment (defined in 40 C.F.R. §60.591) for the purpose of process improvement which is accomplished without a capital expenditure shall not by itself be considered a modification under this subpart.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
115 - NSPS Fugitive Equipment	(D)(115)(010)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.591]	Additional Requirements	Equipment means each valve, pump, pressure relief device, sampling connection system, open-ended valve or line, and flange or other connector in VOC service. For the purposes of recordkeeping and reporting only, compressors are considered equipment.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 119 - Platformer Regenerator						
119 - Platformer Regenerator	(D)(119)(001)	[25 Pa. Code §127.441]	Emission Restriction	The emissions of hydrochloric acid from the catalyst regenerator shall not exceed 0.37 tons of HCl in any 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(002)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1567]	Emission Restriction	Uncontrolled emissions of HCl shall be reduced by 97%, by weight, corrected to 3 percent oxygen.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(003)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1571]	Testing Requirements	The permittee may change the established operating limit by meeting the following requirements: (a) to change an established operating permit limit for a continuous parameter monitoring system by doing an additional performance test, a performance test in conjunction with an engineering assessment, or an engineering assessment to verify that, at the new operating limit, the permittee is in compliance with the applicable emission limitation; (b) establish a revised operating limit for the continuous parameter monitoring system if the permittee makes any change in process or operating conditions that could affect control system performance or the permittee changes designated conditions after the last performance or compliance tests were done. The permittee can establish the revised operating limit as described in (a), above.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(004)	[25 Pa. Code §127.441]	Monitoring Requirements	The continuous monitoring system shall consist of a thermocouple on the inlet and outlet of the hydrogen chloride absorption system in order to measure the temperature of the inlet and outlet of the hydrogen chloride absorption system.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(005)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1567]	Monitoring Requirements	The permittee shall: (a) operate, and maintain a continuous monitor of the inlet gas temperature to the hydrogen chloride absorption system; and (b) demonstrate continuous compliance with the average daily inlet temperature limit of not to exceed 350°F. (c) monitor the inlet and outlet chloride levels on the catalyst on a weekly basis in accordance with the facility's Operation, Maintenance, and Monitoring plan.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitution is performed for periods of monitor downtime, where appropriate.	Continuous
119 - Platformer Regenerator	(D)(119)(006)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1569]	Monitoring Requirements	The permittee shall visually inspect the blind flange on the bypass line at least once a month.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(007)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1572]	Monitoring Requirements	(a) The permittee must operate, and maintain the inlet thermocouple according to the following: (1) the thermocouple must have valid hourly average data from at least 75 percent of the hours during which the process operated; and (2) the thermocouple must determine and record the hourly average of all recorded readings and the daily average of all recorded readings for each operating day. The daily average must cover a 24-hour period if operation is continuous or the number of hours of operation per day if operation is not continuous.	Monitoring is continuously performed except during periods of monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks). Data substitution is performed for periods of monitor downtime, where appropriate.	Continuous

119 - Platformer Regenerator	(D)(119)(011)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1570]	Reporting Requirements	(b) Deviations that occur during a period of startup, shutdown, or malfunction are not violations if the permittee demonstrates to the Administrator's satisfaction that it was operating in accordance with the SSMP. The SSMP shall require that good air pollution control practices are used during those periods. The plan must also include elements designed to minimize the frequency of such periods (i.e., root cause analysis). The Administrator will determine whether deviations that occur during a period of startup, shutdown, or malfunction are violations, according to the provisions in 40 C.F.R. §63.6(e) and the contents of the SSMP.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(a) The permittee must submit each report semiannually as outlined in Table 43 of 40 C.F.R. Part 63, Subpart UUU.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(b) The compliance reports may be submitted along with the semi-annual compliance certification reports required by Section C, of this operating permit.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(c) The compliance report must contain the information required in paragraphs (c)(1) through (4): (1) company name and address; (2) statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report; (3) date of report and beginning and ending dates of the reporting period; and (4) if there are no deviations from any emission limitation that applies and there are no deviations from the requirements for work practice standards, a statement that there were no deviations from the emission limitations or work practice standards during the reporting period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(d) For each deviation from the inlet temperature to the hydrogen chloride absorber the compliance report must contain the information in (c)(1) through (3), above, and (d)(1) through (4), below: (1) the total operating time of each affected source during the reporting period; (2) information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken; (3) information concerning the chloride exceedances, including; and (4) information on the number, duration, and cause for monitor downtime incidents (including unknown cause, if applicable, other than downtime associated with daily calibration checks).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(e)(1)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(e) The permittee also must include the following in each compliance report, if applicable; (1) a copy of any performance test done during the reporting period on this source. The report may be included in the next semiannual report. The copy must include a complete report for each test method used for a particular kind of emission point tested. For additional tests performed for a similar emission point using the same method, the permittee must submit the results and any other information required, but a complete test report is not required. A complete test report contains a brief process description; a simplified flow diagram showing affected processes, control equipment, and sampling point locations; sampling site data; description of sampling and analysis procedures and any modifications to standard procedures; quality assurance procedures; record of operating conditions during the test; record of preparation of standards; record of calibrations; raw data sheets for field sampling; raw data sheets for field and laboratory analyses; documentation of calculations; and any other information required by the test method.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
119 - Platformer Regenerator	(D)(119)(012)(e)(2)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.1575]	Reporting Requirements	(2) any requested change in the applicability of an emission standard (e.g., the permittee wants to change from the HCl concentration standard to percent reduction for catalytic reforming units) in the periodic report. All information and data necessary to demonstrate compliance with the new emission standard selected and any other associated requirements must be included.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 122 - Back-up Flare						
122 - Back-up Flare	(D)(122)(001)	[25 Pa. Code §127.441]	Fuel Restriction	The permittee shall not burn any fuel gas in the flare containing hydrogen sulfide (H2S) in excess of 230 mg/dscm (0.10gr/dscf).	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(002)	[25 Pa. Code §127.441]	Monitoring Requirements	The presence of the flare pilot flame shall be monitored and recorded using a thermocouple or any other equivalent device that can detect the presence of a flame. When using any other equivalent device, the permittee shall submit to the Department a request for determination (RFD) for the change of such monitoring device. The Department will determine if new operating parameter(s), monitoring, recordkeeping, and reporting requirements in this permit need to be added or revised to accommodate the changes.	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(003)(a)	[25 Pa. Code §127.441]	Monitoring Requirements	(a) The permittee shall conduct a visual observation of the flare at least once every six (6) hours each calendar day that the back-up flare is operating.	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(003)(b)	[25 Pa. Code §127.441]	Monitoring Requirements	(b) The permittee shall monitor and record the total amount of the process gas including the fuel gas combusted in the flare on a monthly basis.	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(004)(a)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(a) The permittee shall record the visual observations of the flare in a logbook.	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(004)(b)	[25 Pa. Code §127.441]	Recordkeeping Requirements	(b) The permittee shall keep records of the total amount of the process gas and the fuel gas combusted in the flare on a monthly basis.	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(005)	[25 Pa. Code §127.441]	Work Practice Requirements	Purging and venting to the flare header from all vessels, piping and associated equipment being shutdown shall be completed prior to opening the flange to the back-up flare. Operating sources may remain connected to the flare header. The permittee shall sample the continuous gas stream to the flare header while the back-up flare is operating to ensure that the acid gas is not being sent	The Back-up Flare did not operate during the reporting period.	Continuous
122 - Back-up Flare	(D)(122)(006)	[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.18]	Work Practice Requirements	(1) The flare shall be designed for and operated with no visible emissions. (2) Flares shall be operated with a flame present at all times. (3) Flares shall be used only with the net heating value of the gas being combusted being 11.2 MJ/scm (300 Btu/scf) or greater. (4) The flare shall be operated with an exit velocity less than 18.3 m/sec (60 ft/sec).	The Back-up Flare did not operate during the reporting period.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 123 - #66 Ext. Float 43M BBLS						
123 - #66 Ext. Float 43M BBLS	(D)(123)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
123 - #66 Ext. Float 43M BBLS	(D)(123)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
123 - #66 Ext. Float 43M BBLS	(D)(123)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
123 - #66 Ext. Float 43M BBLS	(D)(123)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
123 - #66 Ext. Float 43M BBLS	(D)(123)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
123 - #66 Ext. Float 43M BBLS	(D)(123)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
123 - #66 Ext. Float 43M BBLS	(D)(123)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T002 (MACT Group 1, External Floating Roof Tanks), or Source T003 (MACT Group 2 Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 125 - #68 Ext. Float 43M BBLS						
125 - #68 Ext. Float 43M BBLS	(D)(125)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
125 - #68 Ext. Float 43M BBLS	(D)(125)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
125 - #68 Ext. Float 43M BBLS	(D)(125)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
125 - #68 Ext. Float 43M BBLS	(D)(125)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
125 - #68 Ext. Float 43M BBLS	(D)(125)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
125 - #68 Ext. Float 43M BBLS	(D)(125)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
125 - #68 Ext. Float 43M BBLS	(D)(125)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T005 (External floating roof, NSPS Kb tanks).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 127 - #96 Ext. Float 59M BBLS						
127 - #96 Ext. Float 59M BBLS	(D)(127)	None	Restrictions	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
127 - #96 Ext. Float 59M BBLS	(D)(127)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
127 - #96 Ext. Float 59M BBLS	(D)(127)	None	Monitoring Requirements	No additional monitoring requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
127 - #96 Ext. Float 59M BBLS	(D)(127)	None	Recordkeeping Requirements	No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
127 - #96 Ext. Float 59M BBLS	(D)(127)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
127 - #96 Ext. Float 59M BBLS	(D)(127)	None	Work Practice Requirements	No additional work practice requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
127 - #96 Ext. Float 59M BBLS	(D)(127)(001)	[25 Pa. Code §127.441]	Additional Requirements	The applicable requirements for this source can be found in Source T003 (MACT Group 2 Tanks), Source T004 (State-Only External Floating Roof Tanks), or Source T002 (MACT Group 1, External Floating Roof Tanks), as applicable.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 128 - MACT Fugitives						
				(f) Samples used in conjunction with paragraphs (d), (e), and (g) of this section shall be representative of the process fluid that is contained in or contacts the equipment or the gas being combusted in the flare. (g) The permittee shall determine compliance with the standards of flares as follows: (1) Method 22 shall be used to determine visible emissions. (2) A thermocouple or any other equivalent device shall be used to monitor the presence of a pilot flame in the flare. (3) The maximum permitted velocity for air assisted flares shall be computed using the equation specified in 40 C.F.R. §60.485(g)(3). (4) The net heating value (HT) of the gas being combusted in a flare shall be computed using the equation specified in 40 C.F.R. §60.485(g)(4). (5) Method 18 or ASTM D6420-99 (2004) (where the target compound(s) are those listed in Section 1.1 of ASTM D6420-99, and the target concentration is between 150 parts per billion by volume and 100 parts per million by volume) and ASTM D2504-67, 77 or 88 (Reapproved 1993) (incorporated by reference—see 40 C.F.R. §60.17) shall be used to determine the concentration of sample component "i." (6) ASTM D2382-76 or 88 or D4809-95 (incorporated by reference—see 40 C.F.R. §60.17) shall be used to determine the net heat of combustion of component "i" if published values are not available or cannot be calculated. (7) Method 2, 2A, 2C, or 2D, as appropriate, shall be used to determine the actual exit velocity of a flare. If needed, the unobstructed (free) cross-sectional area of the flare tip shall be used.		
128 - MACT Fugitives	(D)(128)(004)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Monitoring Requirements	A. 40 C.F.R. §60.482-3 - Standards: Pumps in light liquid service. (a)(1) Each pump in light liquid service shall be monitored monthly to detect leaks by the methods specified in 40 C.F.R. §60.485(b), except as provided in 40 C.F.R. §60.482-1(c) and (f) and §60.482-3(d), (e), and (f). (2) Each pump in light liquid service shall be checked by visual inspection each calendar week for indications of liquids dripping from the pump seal, except as provided in 40 C.F.R. §60.482-1(f). (b)(1) If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. (2) If there are indications of liquids dripping from the pump seal, the permittee shall follow the procedure specified in either 40 C.F.R. §60.482-3(b)(2)(i) or (ii). This requirement does not apply to a pump that was monitored after a previous weekly inspection if the instrument reading for that monitoring event was less than 10,000 ppm and the pump was not repaired since that monitoring event. (i) Monitor the pump within 5 days as specified in 40 C.F.R. §60.485(b). If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. The leak shall be repaired using the procedures in 40 C.F.R. §60.482-3(c). (ii) Designate the visual indications of liquids dripping as a leak, and repair the leak within 15 days of detection by eliminating the visual indications of liquids dripping. (c) Pumps with exemptions are specified in 40 C.F.R. §60.482-2(d) through (h).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 128 - MACT Fugitives						
128 - MACT Fugitives	(D)(128)(005)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Recordkeeping Requirements	B. The permittee shall comply with the provisions of 40 C.F.R. §60.486 - Recordkeeping requirements. (a)(1) The permittee shall comply with the recordkeeping requirements of this section. (2) The permittee may comply with the recordkeeping requirements for the facilities in one recordkeeping system if the system identifies each record by each facility. (b) When each leak is detected as specified in 40 C.F.R. §§60.482-2, 60.482-3, 60.482-7, and 60.482-8, the following requirements apply: (1) A weatherproof and readily visible identification, marked with the equipment identification number, shall be attached to the leaking equipment. (2) The identification on a valve may be removed after it has been monitored for 2 successive months as specified in 40 C.F.R. §60.482-7(c) and no leak has been detected during those 2 months. (3) The identification on equipment except on a valve, may be removed after it has been repaired. (c) When each leak is detected as specified in 40 C.F.R. §§60.482-2, 60.482-3, 60.482-7, and 60.482-8, the following information shall be recorded in a log and shall be kept for 2 years in a readily accessible location: (1) The instrument and operator identification numbers and the equipment identification number. (2) The date the leak was detected and the dates of each attempt to repair the leak. (3) Repair methods applied in each attempt to repair the leak. (4) "Above 10,000" if the maximum instrument reading measured by the methods specified in 40 C.F.R. §60.485(a) after each repair attempt is equal to or greater than 10,000 ppm. (5) "Repair delayed" and the reason for the delay if a leak is not repaired within 15 calendar days after discovery of the leak. (6) The signature of the permittee (or designate) whose decision it was that repair could not be effected without a process shutdown. (7) The expected date of successful repair of the leak if a leak is not repaired within 15 days. (8) Dates of process unit shutdowns that occur while the equipment is unrepaired. (9) The date of successful repair of the leak.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Intermittent

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 128 - MACT Fugitives						
128 - MACT Fugitives	(D)(128)(006)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Reporting Requirements	The permittee shall comply with the provisions of 40 C.F.R. §60.487 - Reporting requirements. (a) The permittee shall submit semiannual reports to DEP beginning six months after the initial startup date. (b) The initial semiannual report to DEP shall include the following information: (1) Process unit identification. (2) Number of valves subject to the requirements of 40 C.F.R. §60.482-7, excluding those valves designated for no detectable emissions under the provisions of 40 C.F.R. §60.482-7(f). (3) Number of pumps subject to the requirements of 40 C.F.R. §60.482-2, excluding those pumps designated for no detectable emissions under the provisions of 40 C.F.R. §60.482-2(e) and those pumps complying with 40 C.F.R. §60.482-2(f). (4) Number of compressors subject to the requirements of 40 C.F.R. §60.482-3, excluding those compressors designated for no detectable emissions under the provisions of 40 C.F.R. §60.482-3(i) and those compressors complying with 40 C.F.R. §60.482-3(h). (c) All semiannual reports to the Administrator shall include the following information, summarized from the information in 40 C.F.R. §60.486: (2) For each month during the semiannual reporting period, (i) Number of valves for which leaks were detected as described in 40 C.F.R. §60.482-7(b) or §60.483-2, (ii) Number of valves for which leaks were not repaired as required in 40 C.F.R. §60.482-7(d)(1), (iii) Number of pumps for which leaks were detected as described in 40 C.F.R. §60.482-2(b), (d)(4)(ii)(A) or (B), or (d)(5)(iii), (iv) Number of pumps for which leaks were not repaired as required in 40 C.F.R. §60.482-2(c)(1) and (d)(6), (v) Number of compressors for which leaks were detected as described in 40 C.F.R. §60.482-3(f), (vi) Number of compressors for which leaks were not repaired as required in 40 C.F.R. §60.482- (3) Dates of process unit shutdowns which occurred within the semiannual reporting period. (4) Revisions to items reported according to paragraph (b) if changes have occurred since the initial report or subsequent revisions to the initial report. (d) Not applicable. (e) The permittee shall report the results of all performance tests in accordance with §60.8 of the General Provisions. The provisions of 40 C.F.R. §60.8(d) do not apply to affected facilities subject to the provisions of this subpart except that the permittee must notify DEP of the schedule for the initial performance tests at least 30 days before the initial performance tests. (f) The requirements of paragraphs (a) through (c) above remain in force until and unless EPA, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such State. In that event, affected sources within the State will be relieved of the obligation to comply with the requirements of paragraphs (a) through (c) above, provided that they comply with the requirements established by the State.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(007)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	A. 40 C.F.R. §60.482-2 - Standards: Pumps in light liquid service. As per 40 C.F.R. §60.482(c)(1), when a leak is detected, it shall be repaired as soon as practicable, but not later than 15 calendar days after it is detected, except as provided in 40 C.F.R. §60.482-9. (2) A first attempt at repair shall be made no later than 5 calendar days after each leak is detected. First attempts at repair include, but are not limited to, the practices described in 40 C.F.R. §60.482-3(c)(2)(i) and (ii), where practicable. (i) Tightening the packing gland nuts; (ii) Ensuring that the seal flush is operating at design pressure and temperature.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 128 - MACT Fugitives						
128 - MACT Fugitives	(D)(128)(007)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	D. 40 C.F.R. §60.482-5 - Standards: Sampling connection systems. (a) Each sampling connection system shall be equipped with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 C.F.R. §60.482-1(c) and §60.482-5(c). (b) Each closed-purge, closed-loop, or closed-vent system as required in 40 C.F.R. §60.482-5(a) shall comply with the requirements specified in 40 C.F.R. §60.482-5(b)(1) through (4). (1) Gases displaced during filling of the sample container are not required to be collected or captured. (2) Containers that are part of a closed-purge system must be covered or closed when not being filled or emptied. (3) Gases remaining in the tubing or piping between the closed-purge system valve(s) and sample container valve(s) after the valves are closed and the sample container is disconnected are not required to be collected or captured. (4) Each closed-purge, closed-loop, or closed-vent system shall be designed and operated to meet requirements in either 40 C.F.R. §60.482-5(b)(4)(i), (ii), (iii), or (iv). (i) Return the purged process fluid directly to the process line. (ii) Collect and recycle the purged process fluid to a process. (iii) Capture and transport all the purged process fluid to a control device that complies with the requirements of 40 C.F.R. §60.482-10. (iv) Collect, store, and transport the purged process fluid to any of the following systems or facilities: (A) A waste management unit as defined in 40 C.F.R. §63.111, if the waste management unit is subject to and operated in compliance with the provisions of 40 C.F.R. part 63, subpart G, applicable to Group 1 wastewater streams; (B) A treatment, storage, or disposal facility subject to regulation under 40 C.F.R. part 262, 264, 265, or 266; (C) A facility permitted, licensed, or registered by a state to manage municipal or industrial solid waste, if the process fluids are not hazardous waste as defined in 40 C.F.R. part 261; (D) A waste management unit subject to and operated in compliance with the treatment requirements of 40 C.F.R. §61.348(a), provided all waste management units that collect, store, or transport the purged process fluid to the treatment unit are subject to and operated in compliance with the management requirements of 40 C.F.R. §§61.343 through 61.347; or (E) A device used to burn off-specification used oil for energy recovery in accordance with 40 C.F.R. part 279, subpart G, provided the purged process fluid is not hazardous waste as defined in 40 C.F.R. part 261. (c) In situ sampling systems and sampling systems without purges are exempt from the requirements of 40 C.F.R. §60.482-5(a) and (b).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 128 - MACT Fugitives						
128 - MACT Fugitives	(D)(128)(007)(h)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	H. 40 C.F.R. §60.482-9 - Standards: Delay of repair. (a) Delay of repair of equipment for which leaks have been detected will be allowed if repair within 15 days is technically infeasible without a process unit shutdown. Repair of this equipment shall occur before the end of the next process unit shutdown. Monitoring to verify repair must occur within 15 days after startup of the process unit. (b) Delay of repair of equipment will be allowed for equipment which is isolated from the process and which does not remain in VOC service. (c) Delay of repair for valves will be allowed if: (1) The permittee demonstrates that emissions of purged material resulting from immediate repair are greater than the fugitive emissions likely to result from delay of repair, and (2) When repair procedures are effected, the purged material is collected and destroyed or recovered in a control device complying with 40 C.F.R. §60.482-10. (d) Delay of repair for pumps will be allowed if: (1) Repair requires the use of a dual mechanical seal system that includes a barrier fluid system, and (2) Repair is completed as soon as practicable, but not later than 6 months after the leak was detected. (e) Delay of repair beyond a process unit shutdown will be allowed for a valve, if valve assembly replacement is necessary during the process unit shutdown, valve assembly supplies have been depleted, and valve assembly supplies had been sufficiently stocked before the supplies were depleted. Delay of repair beyond the next process unit shutdown will not be allowed unless the next process unit shutdown occurs sooner than 6 months after the first process unit shutdown. (f) When delay of repair is allowed for a leaking pump or valve that remains in service, the pump or valve may be considered to be repaired and no longer subject to delay of repair requirements if two consecutive monthly monitoring instrument readings are below the leak definition.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(007)(i)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.648]	Work Practice Requirements	I. 40 C.F.R. §60.482-10 - Standards: Closed vent systems and control devices. (a) Leaks, as indicated by an instrument reading greater than 500 parts per million by volume above background or by visual inspections, shall be repaired as soon as practicable except as provided in 40 C.F.R. §60.482-10(b). (1) A first attempt at repair shall be made no later than 5 calendar days after the leak is detected. (2) Repair shall be completed no later than 15 calendar days after the leak is detected. (b) Delay of repair of a closed vent system for which leaks have been detected is allowed if the repair is technically infeasible without a process unit shutdown or if the permittee determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. Repair of such equipment shall be complete by the end of the next process unit shutdown. (c) Exemptions to this section are specified in 40 C.F.R. §60.482-10(i) through (k). (d) Closed vent systems and the flares shall be operated at all times when emissions may be vented to them.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 128 - MACT Fugitives						
128 - MACT Fugitives	(D)(128)(011)(a)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.] The permittee shall comply with the recordkeeping and reporting provisions in (a) through (f) of this condition. (a) 40 CFR §§ 60.486 and 60.487, except as specified (a)(1) of this condition; or 40 CFR §§ 63.181 and 63.182, except for 40 CFR § 63.182(b), (c)(2), and (c)(4). (1) The signature of the permittee (or designate) whose decision it was that a repair could not be effected without a process shutdown is not required to be recorded. Instead, the name of the person whose decision it was that a repair could not be effected without a process shutdown shall be recorded and retained for 2 years.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(011)(b)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(b) The Notification of Compliance Status report required by 40 CFR § 63.182(c) and the initial semiannual report required by 40 CFR § 60.487(b) shall be submitted within 150 days of the compliance date specified in 40 CFR § 63.640(h).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
128 - MACT Fugitives	(D)(128)(011)(c)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(c) The permittee who determines that a compressor qualifies for the hydrogen service exemption in 40 CFR § 63.648 shall also keep a record of the demonstration required by 40 CFR § 63.648.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(011)(d)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(d) The permittee must keep a list of identification numbers for valves that are designated as leakless per 40 CFR § 63.648(c)(10).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(011)(e)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(e) The permittee must identify, either by list or location (area or refining process unit), equipment in organic HAP service less than 300 hours per year within refining process units subject to 40 CFR, Subpart FF.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(011)(f)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(f) The permittee must keep a list of reciprocating pumps and compressors determined to be exempt from the seal requirements as per 40 CFR § 63.648(f) and (i).	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
128 - MACT Fugitives	(D)(128)(011)(g)	[40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.655]	Additional Requirements	(g) The permittee, who whishes to use an alternative monitoring method, shall submit an application to DEP as described in 40 CFR §§ 63.8(f)(4)(ii) and 63.654(h).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 130 - Peabody Heater						
130 - Peabody Heater	(D)(130)(001)	[25 Pa. Code §123.13]	Emission Restriction	No person may permit the emission into the outdoor atmosphere of particulate matter from this process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.	Facility policies, procedures, and operating practices are in place to ensure compliance. The source fires only natural gas.	Continuous
130 - Peabody Heater	(D)(130)(002)	[25 Pa. Code §123.21]	Emission Restriction	No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 parts per million, by volume, dry basis.	Facility policies, procedures, and operating practices are in place to ensure compliance. The source fires only natural gas.	Continuous
130 - Peabody Heater	(D)(130)(003)	[25 Pa. Code §127.441]	Fuel Restriction	The source shall fire natural gas only.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
130 - Peabody Heater	(D)(130)	None	Testing Requirements	No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
130 - Peabody Heater	(D)(130)(004)	[25 Pa. Code §127.441]	Monitoring Requirements	The permittee shall monitor for this source: (a) The operating hours; and (b) The amount of fuel consumed using either a fuel flow meter, or based on the operating hours and maximum heat input.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
130 - Peabody Heater	(D)(130)(005)	[25 Pa. Code §127.441]	Recordkeeping Requirements	The permittee shall keep the following records of this source: a. The operation hours each day the source is operating. b. The amount of fuel consumed each day the source is operating, using a flow meter, or based on the operating hours and maximum heater input. c. The average firing rate in MMBtu/hr each month and each 12 consecutive month period.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
130 - Peabody Heater	(D)(130)	None	Reporting Requirements	No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA
130 - Peabody Heater	(D)(130)(006)(a)	[25 Pa. Code §127.441]	Work Practice Requirements	(a) This source shall only be used during FCC unit (Source ID 101) start-up.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
130 - Peabody Heater	(D)(130)(006)(b)	[25 Pa. Code §127.441]	Work Practice Requirements	(b) RACT for this source is that the heater shall be operated and maintained in accordance with manufacturer's specifications and in accordance with good air pollution control practices.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
130 - Peabody Heater	(D)(130)	None	Additional Requirements	No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	NA

Permit Section/ Source	Permit Condition	Regulatory Citation	Type of Requirement	Terms & Conditions Contained in the Permit	Method for determining compliance status	2016 Compliance: Continuous or Intermittent
Section D. 131 - AWWTP Emergency Generator						
131 - AWWTP Emergency Generator	(D)(131)(004)(b)	[25 Pa. Code §129.204]	Additional Requirements	(b) The permittee shall surrender to the Department one NOx allowance, as defined in 25 Pa. Code §145.2 (relating to definitions), for each ton of NOx by which the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered NOx allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(004)(c)	[25 Pa. Code §129.204]	Additional Requirements	(c) If the combined allowable emissions from units subject to this section at a facility from May 1 through September 30 exceed the combined actual emissions from units subject to this section at the facility during the same period, the owner or operator may deduct the difference or any portion of the difference from the amount of actual emissions from units subject to this section at the owner or operator's other facilities.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(004)(d)	[25 Pa. Code §129.204]	Additional Requirements	(d) By November 1 of each year thereafter, the permittee shall surrender the required NOx allowances to the Department's designated NOx allowance tracking system account and provide to the Department, in writing, the following: (1) The serial number of each NOx allowance surrendered. (2) The calculations used to determine the quantity of NOx allowances required to be surrendered.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(004)(e)	[25 Pa. Code §129.204]	Additional Requirements	(e) If the permittee fails to comply with 25 Pa. Code §129.204(e), the permittee shall by December 31 surrender three NOx allowances of the current or later year vintage for each NOx allowance that was required to be surrendered by November 1 of that year.	Facility policies, procedures, and operating practices are in place to ensure compliance.	Continuous
131 - AWWTP Emergency Generator	(D)(131)(004)(f)	[25 Pa. Code §129.204]	Additional Requirements	(f) The surrender of NOx allowances under subsection 25 Pa. Code §129.204(f) does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act. (1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates that a lesser number of days should be considered. (2) Each ton of excess emissions is a separate violation.	Explanatory statement that imposes no compliance obligation and is thus not amenable to certification.	Continuous